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1829G-2

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Log
261

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1829 G2

1829. List of Names, of Persons on board the George

Samuel Endicott. Master.
 Samuel Barton Joint-Supercargo. *
 William Ashton First mate. made 1844
 John H. Lovett 2nd - do now Captain 1838
 David Driver Carpenter.
 James Murdock Clerk. - Captain
 * James Brown Seaman -
 * Robert Stein - do -
 John Ellison - do - * Dead
 * William Anderson - do
 George Haskell - do - Dead 1st. officer
 * George Leeds - do - 1st. do
 Chas. Burke - do - Captain in 1834.
 Chas. D. Muggford - do - Dead
 Benj. Chapman - do -
 Andrew Harraden - do - ashore
 * Walter Harris - do -
 Chas. M. Downing Esq. -
 John Tucker - Stewards. - Dead

Those marked * thus. left us in Calcutta.
 and their place we had.

Peter. Lumbago.
 Isaac leg. Robinson.
~~James~~ J. Palmer
 George Grundy.
 William Grundy, alias, Dunn.

Ship George's Company 1830

Samuel Endicott. Master. Beverly
 Sam. Barton. Supercargo Salem Dead
 Jonathan Lovell Chief Mate Beverly Capt
 George Sherry 2nd. do Salem

Starboard Watch. Starboard Watch.

Chs. H. Allen. Salem Capt. Peter Lewis Carpenter Beverly ashore
 Chs. Bush do mate John Bissou Capt do
 J. Aug. Winn Dead do Capt. * John Gallop mate do
 Wm. Manning Dead do mate. * Thomas Hunt mate Salem
 Andrew Haraden do ashore C. D. Mufford Capt. do
 Calvin Wallace Beverly mate John West Dead do
 W. H. Allen Captain do
 John Tucker Steward Salem Dead
 Wm. Drew Cook do Dead

The voyage commenced August 19th. 1830
 and ended May 21st 1831

Aug. 1831.

J. Lovett. Captain
 J. Briggs - Super.
 J. Kilham Mate.
 C. H. Allen 2nd do.
 C. Bush Seaman
 C. D. Mufford do
 J. West. — do *
 A. Haraden do
 W. H. Allen do
 John Lovett do
 William Lovett do *
 Calvin Wallis do

J. Lovett Carpenter.
 J. Weld. Boy.
 Augustus Brown Seaman. *

J. Tucker. Steward *
 W. Drew Cook *

Voyage completed in 8 ms & 20 days—

288 days 137

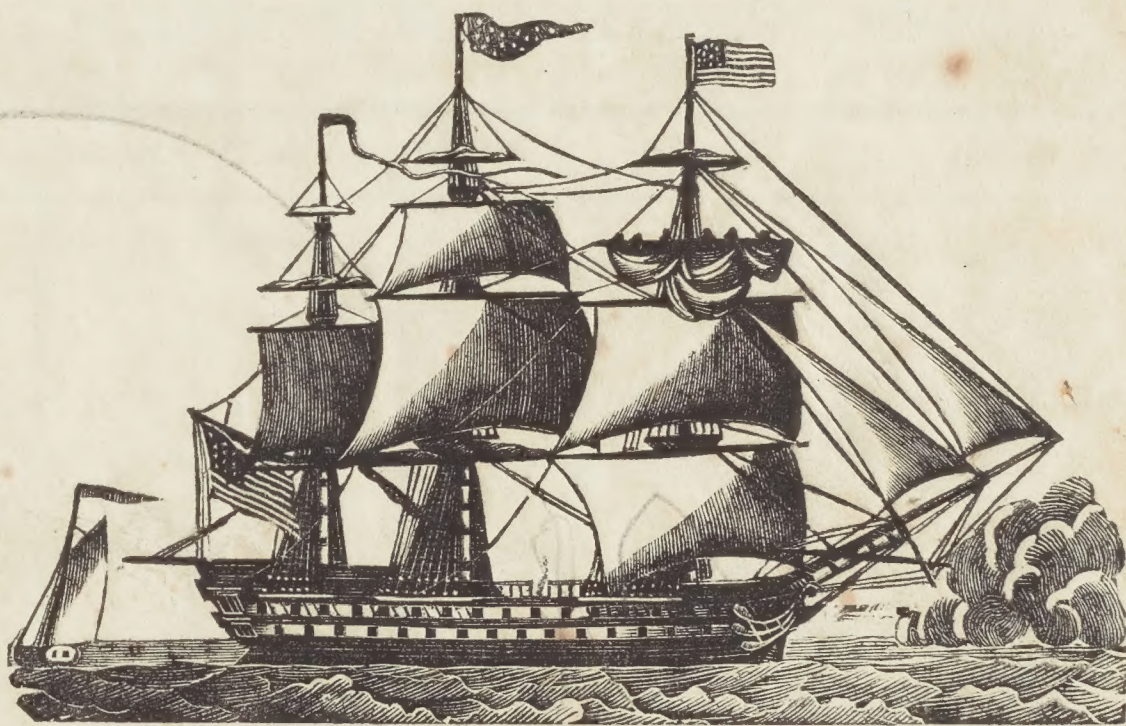
Seaman's Journal.

JOURNAL OF A VOYAGE

From *Salem towards Calcutta* to
in the *Ship George* commanded
by *Samuel E. Ducott of Beverly.*
Begun *August 12th.* 1829 and
terminated *May 25th.* 1830 ~~182~~

KEPT BY

Charles D. Mugford



PRINTED AND SOLD BY

W. & S. B. IVES,

AT THEIR PRINTING OFFICE AND BOOK-BINDERY, NO. 2, COURT STREET,

Salem, Mass.

Seaman's Journal

Journal of a Voyage

on the Ship "Hesperus"
Commanded by Captain J. B. Smith
from New York to London
and back
1815 and 1816



Printed by J. B. Smith

10 Days.

Ship George from Salem towards Calcutta

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	3		S. E.	S. S. W		Commences with strong Gales
2	2	1				with heavy squalls of Rain, took
3	3		S. E. 1/2 S.			one reef in foresail and M. Sail
4	2	1				
5	3	1	S. E.			Middle part wind more
6	3	1				
7	3	1	S. E. 1/2 S.	S. W. by S.		Heavily shook reefs out T. S. S. M. S.
8	4					Set. jib and Spanker.
9	5					
10	5					
11	5					Latter part shook one reef
12	5					out T. and M. Topsail set the
1	5					3 top G. sail, over single reef topsail
2	5					
3	6	1				The Watch employed in ships
4	6	1				duty. Ends, fine breezes and
5	6	1				pleasant.
6	6	1				
7	7					
8	7					Long by Chron. 45° 30' 45" West
9	6	1				
10	7					Lat. Obs. 36° 56 North
11	6	1				
12	7					

allow 23 miles N.E. current.

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 57° E.	124	1° 5'	106	36° 33'	36° 56'	19°	2° 13'	47° 55'	

100 8 1/2
121
112 9 1/2

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	6	1	S. E. by S.	S. W. by S.		Commences with strong Gales
2	6					and pleasant weather.
3	6					
4	6					Middle part shook all reefs
5	6					out topsails.
6	6					
7	7					
8	7					Morning sent up royal
9	6	1				yards, and skysail masts.
10	7					
11	6	1				End fine breezes and pleasant
12	7					weather.
1	7					
2	7					Var. per Eve. azimuth 17° 36' W.
3	7					
4	6	1				
5	6	1				at 10 Long. by Obs. 42° 44' 45" W.
6	6	1				Long by Chron. 42° 45' 00
7	6	1				Lat. Obs 35° 35
8	6	1				
9	6	1				
10	6	1				
11	6					
12	6					

N. S. W

allow 18 miles N.E. current.

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 51° E.	157	1° 39'	122	37° 17'	35° 35'	17° 36'	2° 31'	45° 24'	42° 44' 45"

107 1/2
108 1/2

12 Days

Ship George from Salem towards Calcutta.

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks. On Saturday Aug. 22nd
1	6	1	S. S. E.	S. W. by W		Begins with fine Breezes and pleasant weather.
2	6	1				
3	6	1				
4	6	1				
5	6	1				The Watch employed in ship's duty.
6	6	1				
7	6	1				
8	5					Middle part the same.
9	5					
10	5					
11	5					Latter part the same. saw a Brig standing to the Eastward.
12	5	1	S. S. E 1/2 E.			
1	5	1				
2	5	1				
3	4					
4	4	1				
5	4	1	S. S. E.			So Ends these 24 hours pleasant gales and a fair sky.
6	4	1				
7	4	1	S. S. E 1/2 E.			
8	4	1				
9	3					Long. by Chron $40^{\circ} 43' 15''$ West
10	3					at 10 Long by Obs $40^{\circ} 50' 30''$
11	3					Lat. by Obs $34^{\circ} 10' N.$
12	3					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 41 E	118	1 29'	77°	34 08'	34° 10'	17°	1 34	43 46	$40^{\circ} 46'$ West.

1287
124
1411

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks. On Sunday Aug 23d. 1829
1	4		S. E.	S. S. W		Begins with fine Breezes and pleasant weather.
2	4					
3	4	1				
4	4	1				
5	4	1	S. E. 1/2 S.			This afternoon killed one of the Calcutta Pigs.
6	4	1				
7	4	1				
8	4	1				
9	4	1	S. E.			Middle part fine Breezes with squalls of Rain, took in the Royals & fore and mizen top Galsails.
10	5					
11	4	1				
12	5					
1	3					
2	3					
3	5		S. E. 1/2 E			
4	5					
5	5		S. E. 1/2 S.			Latter part fine breeze and pleasant. set the Royals and top Galsails.
6	5					
7	4	1	S. E. by S.			
8	4	1				
9	4	1	S. E.			Ends Pleasant.
10	4	1				Long. by Obs $38^{\circ} 38'$ West
11	4	1	S. E. by S			Lat. by Obs $33^{\circ} 14'$ North.
12	4	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 56 E.	107	1 0'	88'	33 10'	33° 14'	16°	1 46	42 0	$38^{\circ} 38'$ West.

107
1518

14 Days

Ship George from Salem towards Calcutta

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks. On Monday Aug. 24th. 1829
1	5	1	S. E. $\frac{1}{2}$ S.	S. W. by S.		Begin with fine Breezes and pleasant weather.
2	5	1				
3	6		S. E. by S.			
4	7					
5	6		S. by E $\frac{1}{2}$ E.			Middle part the same
6	6					
7	6		S. S. E. $\frac{1}{2}$ E.			Squally took in the three Royals
8	6	1				
9	6	1	S. S. E.			
10	5	1				Latter part pleasant set the Royals.
11	6					
12	5					
1	5	1	S. by E $\frac{1}{2}$ E.			4 miles of Fresh Pork from the Calcutta Pig (a good Beginning)
2	6	1				
3	5	1				
4	5	1				
5	4	1				Ends fine Breezes and pleasant weather.
6	4	1	S. E. $\frac{1}{2}$ S.			
7	4	1				
8	4					Long. by Chron. $35^{\circ} 48' 15''$ West
9	5		S. S. E. $\frac{1}{2}$ E.			Lat. Obs. $31^{\circ} 45'$ North.
10	5	1				Variation 15° W.
11	5	1	S. E. by S.			
12	5	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 41. E.	132	$1^{\circ} 39'$	$87'$	$31^{\circ} 35'$	$31^{\circ} 45'$	15°	$1^{\circ} 43'$	$36^{\circ} 55'$	Corrected

1518

132

1650

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks. On Tuesday Aug. 25th. 1829
1	5		S. S. E. $\frac{1}{2}$ E.	S. W. by W.		Begin with light winds and pleasant weather.
2	5					
3	5		S. by E.			The Watch employed in Ships duty.
4	5					
5	5					Middle part the same
6	5					
7	4					
8	3					
9	3					
10	3					Latter part very little wind.
11	3					
12	3					
1	3					
2	2	1				
3	1					
4	1					These 24 hours ends with light winds and pleasant.
5	1					Long. by Chron. $35^{\circ} 40' 15''$ West
6	1					Lat. by Obs. $30^{\circ} 50'$ North.
7	1	1	S. E. by S.			
8	1					
9	1	1	S. S. E.			
10	1	1				
11	1		S. E. by E.			
12	2					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 31. E.	65	$55'$	$33'$	$30^{\circ} 50'$	$30^{\circ} 50'$	$15^{\circ} 19'$	$39'$	$36^{\circ} 16'$	

682

17182

16 Days

Ship George from Salem towards Calcutta

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks. On Wednesday Aug. 26th.
1	/	/	S. E. by S.			Begins and Ends with Light Baffling Winds
2	/	/				
3	/	/	S. by E.			
4	/	/				
5	/	/				
6	/	/				
7						
8			Calms			Warper Eve. Azimuth 165 1/2 00 1/2 W
9						
10	/	/	S. W. by S.			
11	/	/				
12	2					
1	/	/	W. by S.			
2	/	/				
3	/	/				Lat. by Obs. 30° 05' North Long. by Chron. 35° 39' 00" West.
4	/	/				
5	/		S. by E.			
6	/					
7	/		S. by W.			
8	2					
9	3		S. W. by S.			
10	4					
11	2		S. W. by W 1/2 W			
12	/	/				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 12. W.	28'	27'	6'	30° 23'	30° 05'	15°	6'	36° 22'	W

1713 1/2
35
1758 1/2

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks. On Thursday Aug. 27th. 1829
----	----	-------	----------	--------	------	--------------------------------------

1						Begins continued and Ends with light Baffling Winds altered with Calms.
2			Calms			
3						
4	/		S. S. W.	S. E.		
5						
6			Calms South	E. S. E.		
7						At 8 a.m. saw a ship to the S. E.
8		1/2				
9		/	S. by W 1/2 W	S. E. 1/2 S.		
10	/					
11	2		S. S. W	S. E.		
12	2					
1	2					Lat. by Obs. 29° 40' North Long. by Chron. 35° 38' 45"
2	2					
3	/					
4	/					
5		/	W. S. W.	South		
6	/					
7	/					
8	/					
9	/		S. S. E.	S. W.		
10	/					
11	/					
12	/					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 4. W.	19'	19'	00' 1"	29° 46'	29° 40'	14° W	00.	36° 22'	

23
1776 1/2

18 days

Ship George from Salem towards Calcutta

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	1					On Friday Aug. 28th. 1829
2	2					
3	4		South.			Commences with light airs
4	2	1				and pleasant Weather.
5	2					
6	2					
7	2					
8	2	1				Middle part. the same.
9	1					At 8 a.m. saw a vessel steering to
10	1					Eastward.
11	1					
12	1					
1	1					Latter part a little more
2		1				wind set. The Weather Fore &
3	1					Main top. & Studd. sails. Fore &
4	14					Main topmast. and the Lower
5	3					Studd. sails. Saw a sail studd. to S. & E.
6	2	1				
7	2					Ends with fine breezes and
8	3	1				pleasant weather. Long. by Obs. 35° 11' West.
9	4	1				
10	5					
11	6					
12	6					Lat. by Obs. 28° 45' North.

Variable.

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 15. E.	61'	59'	16'	28° 41'	28° 45'	15° 38'	16' 6"	36° 6'	West.

776 1/2
157 1/2

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	6					On Saturday Aug. 29th. 1829
2	6	1	S. 1/2 E.	N. N. E.		
3	6	1				Begins with fine breezes
4	1					and pleasant weather. All
5	6					Studd. sails set to the fair wind.
6	4					
7	3					
8	3					At 8 P. m. the wind hauled
9	3			E. by S.		ahead. Looked all steady. Sails
10	3					and braced up to the wind.
11	2			N. N. W.		
12	3					
1	4					Running the night light baffling
2	4					Winds attended with Rain.
3	4			E. N. E.		
4	4					
5	3					Latter part fine breezes and
6	3					pleasant. All the Weather
7	1					Studd. sails
8	1					
9	6	1				Lat. by Obs. 26° 51' North.
10	6					
11	6					Variation 15° West
12	6	1				Long. by Chron. 34° 51' 30" West.

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 21. E.	118'	1° 50'	142'	26° 55'	26° 51'	15°	48'	35° 18'	West.

778
155 1/2

20 Days

Ship George from Salem towards Calcutta

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	6		S. by E.	E. N. E.		Begin with fine pleasant Gale and a fair sky.
2	6	1				
3	7	1				
4	8					
5	8					
6	7	1				At 6 P.M. saw a sail dead ahead
7	7	1				under in stud. sails and braces
8	7	1				sharp up. to get to windward of
9	6	1				her. she laid to & hoisted English
10	5	1				Colors. she finding we took no
11	5	1				notice of her braced her yards
12	5	1				to the wind and kept on her
1	5	1				course about N. N. W. we squared
2	5	1				away sett stud. sails and were
3	5					took out at sight. she had a
4	4	1				very suspicious appearance.
5	4	1				Middle D. better part pleasant
6	4	1				weather. Lat by Obs. 24° 37' N.
7	4	1				
8	4					
9	5					
10	6					
11	5					
12	4					

At 4 P.M. took in stud. sails and

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 25° E.	139	2° 06	59	24° 45	24° 37	14° 18	1° 05'	34° 18	West

1055 1/2
141
207 1/2

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	4		S. by W.	S. E. by E.		Begin with fine Gale and
2	4					pleasant - Weather.
3	4					
4	5		S. by W.			
5	4	1	S. W. by W.			For. per Eve. by 14° 52' N.
6	4	1				Middle part squally appear
7	5					ances and some rain. took in
8	5					the Royals and flying jib.
9	4	1	S. by W.			
10	4					
11	4	1	S. by W.			
12	4	1				
1	3	1	S. by E.			Latter part pleasant weather
2	3	1	S. by E.			set the light sails,
3	3	1				
4	3	1				
5	3					Ends light winds and
6	2	1				pleasant weather.
7	2	1				
8	2	1				
9	3					
10	3	1	S. by E.			Lat by Obs. 23° 00 North.
11	3	1	S. by E.			Long by Chron. 35° 28' 30" West
12	3					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 7° E.	89	1° 28	11	23° 9	23° 00	14° N	12'	34° 01	West

22
218 8 1/2

Ship George from Salem towards Calcutta

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	4		S. by E.	E. by S.		On Tuesday Sept. 1 st 1829
2	4	1				Begin with light winds and
3	5					pleasant weather.
4	5	1				
5	5					During the night light baffling
6	5					Winds. Ino ^g the morn (W. Anderson)
7	5	1				had 2 very ill turns.
8	5	1				
9	4	1	South			
10	3	1				
11	2					
12	2					
1	2		S. S. E.	E. by S.		Latter part pleasant weather
2	1	1				Sett the Fore top Mast. & Fore
3	1	1				and main top Gall. Head sails
4	2	1				
5	1	1				
6	1	1				
7	1	1				Ends light winds and
8	2					pleasant
9	3	1	S. by E.	E. by S.		Var. per Chron. 11 th 13° 48' West.
10	3	1				Long. by Chron 32° 55' 30 West.
11	3	1				
12	3	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 26. E	79'	1° 11'	55'	21° 49' N	21° 57' N	13.48 West.	38' E.	33° 23'	West.

2189½
73-
2257

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	3		S. by E. ½ E	E ½ S.		On Wednesday Sept. 2 nd 1829
2	3					Begin with light winds and
3	3					pleasant weather.
4	3	1				
5	3		S. by E.	E. by S.		
6	4					Middle part the same, took
7	4	1				in stud. sails at 6 p.m.
8	4	1				At 5 A.M. saw a ship to the
9	5		S. S. E			Eastward and A. sail to the
10	5					Westward.
11	4	1	S. by E ½ E			
12	4					
1	3	1	S. S. E			Latter part the same.
2	4					
3	4					
4	3					
5	3					So ends there 24 hours with light
6	3					winds and a fair sky.
7	4					Long. by Chron. 32° 7' 45 West.
8	4					Lat. by Obs. 20° 16' North.
9	4	1	S. by E ½ E			
10	4	1				
11	5	1	S. by E			
12	5	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 30. E	94'	1° 21'	107'	20° 38' N	20° 16' N	13° W	51'	32° 32'	West

942
361-

24 Days Ship George Commanded by.

Ship George from Salem towards Calcutta

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks. On Thursday Sep 3d. 1829
1	6	1	S. by E. 2 E	E. by N		Begins with fine Breezes and pleasant weather.
2	6	1				
3	6	1				
4	6	1				
5	7	1				
6	7	1				Middle part strong Breezes and pleasant.
7	7	1				
8	7	1				
9	7	1				
10	7	1				
11	7	1	S. by E	E. by S.		Latter part strong Gales took in the Royals.
12	7	1				
1	7	1				
2	8	1				
3	7	1				
4	8	1	S. by E 2 E	E.		These 24 hours Ends with strong Breezes and Pleasant.
5	7	1				
6	8	1				
7	7	1				
8	8	1				
9	7	1	S. by E	S. by S.		Latter part strong Gales took in the Royals.
10	8	1				
11	8	1				
12	7	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 28. E.	177'	2° 36'	85'	17° 40' N	17° 40' N	13° W	1° 30'	31° 02'	West

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks. On Friday Sept. 4th. 1829
1	7	1	S. by E. 2 E	East.		Begins with strong Gales and pleasant.
2	7	1				
3	7	1				
4	7	1				
5	8	1				
6	8	1				During the night strong Gales and squally appearances.
7	8	1				
8	8	1				
9	8	1				
10	7	1				
11	7	1				Latter part fine Breezes and pleasant. Set fore top mast.
12	8	1				
1	9	1				
2	8	1				
3	9	1				
4	8	1				Hust. sail. at 10 A. M. saw a Brig to windward stand to the N. & W. d.
5	8	1				
6	8	1				
7	9	1				
8	8	1				
9	9	1				These 24 hours begins, continues and Ends with strong N. E. Trade Winds and pleasant.
10	8	1				
11	8	1				
12	8	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 30. E.	201'	2° 54'	101'	14° 46' N	14° 34' N	13° W	1° 45' W	29° 17'	West

Samuel Endicott.

26 Days

Ship George from Salem towards Calcutta

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	8	1	S. by E. $\frac{1}{2}$ E	E. by S		Begins fine Breezes and pleasant weather. at 3 P.M. saw a sail to Leeward
2	8	1				
3	8	1				
4	8	1				
5	8	1				
6	8	1				Middle part. light winds took in fore top Mast stud. sail.
7	8	1				
8	8	1				
9	8	1				
10	7	1				At 14 A.M. set fore top mast stud. sail again, and fore and main top Gall. stud. sails.
11	5	1				
12	5	1				
1	4	1	East.	East.		Latter part fine breezes and pleasant weather, set Lower stud. sail. Long. by Chron $27^{\circ}49'15''$ West
2	5	1				
3	6	1				
4	6	1				
5	6	1				
6	6	1				
7	6	1				
8	6	1				
9	6	1				Ends light winds & pleasant.
10	6	1				
11	6	1				
12	5	1				Lat. by Obs. $12^{\circ}16'$ North

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 30. E.	161 m	$2^{\circ}19'$	$80'$	$12^{\circ}15'N$	$12^{\circ}16'N$	$13^{\circ}W$	$1^{\circ}23'$	$27^{\circ}54'$	West.

21/1
160
2980

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	5		S. by E. $\frac{1}{2}$ E	E. by S		Begins with light winds and pleasant weather.
2	4					
3	2					
4	2					
5	1					At 6 A.M. took in masting sails and hauled up.
6	1					
7	1					
8	1					At 10 A.M. the wind hauled suddenly in a squall to the South & the top took in fore top Gall. sails. top Gall. and hauled up the courses.
9	1					
10	2					
11	3					
12	3					
1	1		S. by E. $\frac{1}{2}$ E	E. by S		At 11 A.M. very heavy squall of rain and wind.
2	1					
3	1					
4	1					
5	1					At 4 P.M. set the courses and main top Gall. sail.
6	1					
7	6	1				
8	6	1				
9	5	1				
10	4	1				Ends Pleasant. all well
11	4	1				Ends out to the windward
12	5	1				Long. by Chron $26^{\circ}45'15''$ West

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 30. E.	171	$1^{\circ}27'$	$51'$	$10^{\circ}42'N$	$10^{\circ}41'N$	$13^{\circ}W$	$3^{\circ}2'$	$27^{\circ}52'$	West

14
3004

28 Days.

Ship George from Salem towards Calcutta

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks. On Monday Sept 7th 1829
1	5	/	S. S. E.	S. W.		Begins with fine Breezes and pleasant
2	5	/				1st Royals and Fly. jib.
3	3		S. by E. & E.			
4	2					
5	/	/				Middle part squally appearances
6	/	/				took in Royals and Mizzen top. Gall.
7	—	/				Sails
8	/	/				
9	/	/				at 11 a. m. set Royals. M. top. Gall. sails
10	2	/				
11	/	/				
12	/	/				
1	—	/		W. S. W.		Latter Part light winds and Pleasant
2	/	/				set fore top. mast. fore. and main
3	/	/				top. Gall. studd sails
4	/	/				
5	2					
6	2					at 10 set - Lower & main top
7	2					most. sheet. sails
8	2			West.		
9	2					
10	2					
11	3					Lat. by Obs 9° 54' N.
12	3					Long. by Chron 75° 24' 45" West.

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 30. E.	50'	43'	26'	9° 51' N	9° 54' N	13° W	26'	26° 26'	

57.4
20
505.4

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks. On Tuesday Sept 8th 1829
1	4		S. by E.			Begins with light winds and pleasant.
2	4					At 5 P. M. saw a large ^{Ship} on the starboard
3	4					Beam. she came near enough to
4	4					show colors which were English
5	2	/				which were answered by the stripes &
6	3					Stars. she bore about E. and was standing
7	4					W. N. W.
8	5					
9	4					Middle part squally appearances
10	4					with light. baffling winds took in sheet.
11	3					Sails and light sails.
12	2	/				
1	3	/				At 4 P. M. set light sails and
2	4					harbores studd. sails. Below and aloft
3	4	/				
4	4					
5	3					Ends. with light winds and
6	2	/				appearances of Rain.
7	2	/				
8	3					
9	3					
10	3	/				Lat. by Obs. 8° 38' North.
11	4	/				Long. by Chron 75° 24' 45" West.
12	3					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 25. E.	85'	1° 17'	36'	8° 37' N.	8° 38' N	14° W	36'	26° 00'	West.

57
27.12

30 Days.

Ship George from Salem towards Calcutta

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks. On Wednesday Sept 9th. 1829
1	4		South.			Comes in with appearances of
2	3					Rain took in all stud. sail
3	2		S.W.			At 3 heavy showers of Rain took
4	1					in and made sail scarce
5						only.
6						
7		1				Middle part pleasant at
8						
9		1	S.W.			12 tacked ship to East, &c.
10	1					
11	1	1	W.S.W.			
12	2					Latter part squally appear
1	1	1	S.E.			ances.
2	2					
3	3					Ends with heavy squalls of
4	3					Rain and a head sea. took in
5	3	1	S.E. by S.			Royals and top Gal. sails. Flg.
6	4					Flg. and hauled up main sail
7	3	1				
8	3					No. Observation this day
9	3					Leaving by Chron. 24° 51' West.
10	3					
11	3					
12	3					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 20. E.	38'	35'	13'	8° 03' N	none.	14° W	0° 13' 18"	25 47	West.

3142
50
3192

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks. On Thursday Sept 10th. 1829
1	5	1	S.E. by S.	S.W. by S.		Begin with strong Gales attended
2	5					with Rain.
3	5					At 4 P.M. double reefed top
4	5	1				sails.
5	6	1	S.E.			Continues the same during
6	6					the Night.
7	5					
8	5		S.E. by S.			Latter part shook one reef
9	5					out fore and main topsails and
10	5					let fore and m. top. Gal. sail
11	5					
12	5					Saw a Brig standing N.N.W.
1	4	1				Ends with strong breezes
2	4	1				and pleasant.
3	4	1				Leaving by Chron. 22° 37' 30" West.
4	4	1	S.E.			Lat. by Obs. 7° 11' N.
5	4	1	S.E. by S.			
6	4	1				
7	4	1				
8	4	1				
9	5		S.E.			
10	5					
11	5					
12	5					

I allow 70 Sea way from 14 to 4 a.m.

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 57. E.	118	1° 04'	99'	6° 59' N	7° 11' N	14°	1° 40'	24 07	West.

120
3312

39 Days.

Ship George from Salem towards Calcutta

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks. On Friday Sept. 11th. 1823
1	3		S. E.	S. S. W.		Begins with strong Gale and pleasant weather
2	3	1				
3	3	1	S. E. by S.			
4	3					
5	4		S. E. by E. $\frac{1}{2}$ E			Middle part occasional squalls took in fore & main top Gal. sails.
6	4					
7	4	1	S. E. by S.			
8	4					
9	4		S. by E.			Latter part pleasant set top Gal. sails.
10	4					
11	1		S. E.			
12	4					
1	3	1	S. E. by S.			Throughout these 24 hours strong Gale attended with a head beating sea.
2	3	1				
3	3	1				
4	3	1				
5	1	1	S. E. $\frac{1}{2}$ S			Sounding by Chron 20° 41' 30" West. Lat. by Obs. 6° 17' N.
6	3	1				
7	3	1	S. E.			
8	3	1				
9	3	1				Dead Horse out to day.
10	3	1				
11	3	1	S. E. $\frac{1}{2}$ E			
12	3	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 55. E	85'	49'	69'	6° 22' N	6° 17' N	14° W	1° 10	22° 57	West.

2312
17
1777

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks. On Saturday Sept. 12th. 1823
1	4		S. E.	S. S. W.		Comes in with strong head winds and a head sea, with squalls of rain
2	4					
3	4					
4	4					
5	4					At 12 P.M. tacked ship to westward
6	4					
7	3	1	S. S. E.	S. W.		
8	3	1				
9	3	1	S. E. $\frac{1}{2}$ E	S. by W $\frac{1}{2}$ W		Latter part strong winds and pleasant.
10	3	1				
11	3	1				
12	3	1				
1	4	1	West.	S. S. W.		Ends. pleasant.
2	4	1				
3	4	1				
4	4	1				
5	4	1				Lat. by Obs. 5° 38
6	5					
7	5					
8	5					
9	5	1	W. by S.	S. by W		Sounding by Chron. 20° 36 West.
10	5	1				
11	5	1				
12	5	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 22. W	48'	44'	18' W	5° 33' N	5° 38' N	15° W	18° W	23° 15	West.

104
3503

34 days

Ship George from Salem towards Calcutta.

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	5	1	S. E. $\frac{1}{2}$ E	S. by W		Begin with strong breezes and pleasant Tacked ship at 12 to the Eastward.
2	4	1				
3	5	1				
4	4	1				
5	5	1	W. $\frac{1}{2}$ S.			Alter 4 tacked ship to Westward
6	5	1				Run a fair to seaward standing
7	5	1	W. by S. $\frac{1}{2}$ S			with a
8	5	1				
9	5	1	W. by S.			
10	5	1				Middle part pleasant.
11	5	1	W. by S. $\frac{1}{2}$ S			
12	5	1				
1	5	1	W. by S.			Latter part the same
2	5	1				at 8 a.m. tacked ship to Eastward
3	5	1				
4	5	1				
5	5	1				
6	5	1				Ends with strong Winds
7	5	1				and a head sea.
8	5	1				
9	5	1	S. E. $\frac{1}{2}$ E.			Long. by Chron $21^{\circ} 10' 30''$ West.
10	6	1				Lat. by Obs $14^{\circ} 57' N$.
11	5	1				Var. per. Obs. Azimuth $15^{\circ} 56'$ West.
12	5	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 41. W	61'	46'	40'	$4^{\circ} 52' N$	$4^{\circ} 57' N$	16°	$40' W$	$23^{\circ} 55'$	West.

112
36
3633 $\frac{1}{2}$

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	5	1	S. E.	S. S. W		Begin with strong breezes and pleasant.
2	5	1				
3	5	1	S. E. $\frac{1}{2}$ E.			
4	5	1				
5	5	1	S. E.			
6	6	1				Middle part the same
7	5	1	S. E. $\frac{1}{2}$ S			
8	5	1				
9	5	1				Latter part took the Reefs
10	5	1				out of topsails which were
11	5	1				taken on Thursday.
12	5	1				
1	5	1				
2	5	1				
3	4	1				
4	4	1				
5	4	1	S. E. by S.			Ends with strong breezes
6	4	1				and pleasant.
7	4	1				
8	4	1				
9	4	1				Long. by Chron $17^{\circ} 13'$ West.
10	4	1				
11	4	1				
12	4	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 56. E.	110	$1^{\circ} 31'$	$91'$	$3^{\circ} 56' N$	$4^{\circ} 08' N$	$17^{\circ} N$	$1^{\circ} 31' E$	$22^{\circ} 41'$	West.

112
37
3745 $\frac{1}{2}$

36 Days

Ship George from Salem towards Calcutta

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	1		S. E. by S.			Begins with pleasant weather
2	1					and fresh winds.
3	1		S. E. by S.			Var. per Exp. At 17° 46' W. L.
4	1					Continues pleasant during
5	1		S. E. by S.			the Night. At 2 a.m. tacked
6	1					ship to Westward.
7	1					
8	1					
9	1					
10	1					
11	3	1	S. S. E.			At 5 a.m. saw a ship to
12	3					wardward standing to the
1	3		S. E. 1/4 E.			Northward, she shew English
2	3					colors.
3	4		West.			
4	4					
5	4		W. by N. 1/2 W.			
6	4		S. E. 1/2 E.			
7	4					
8	4					At 11 a.m. tacked ship to
9	4		S. E.			Westward.
10	4					Ends blowings.
11	4		S. E. 1/4 E.			Long. by Chron 18° 10' 45" W. L.
12	5		W. by S.			

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 53. E.	63'	38'	50'	3° 30'	None	17° W	50'	21° 24'	West.

147 1/2
398 1/2

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	5	1	S. by E.	S. by E.		Begins with fine breeze and
2	5	1				pleasant weather.
3	5	1	W. by S. 1/2 S.			
4	5	1				
5	6	1				Middle part the same.
6	6	1				
7	6	1	N. S. W.			
8	6	1				
9	6	1	S. W. by W.			Butter part fine breeze and
10	6	1				pleasant at 4 p.m. and the
11	6	1	N. S. W.			Royal.
12	6	1				
1	6	1				
2	6	1				
3	6	1				
4	6	1	S. W. by S.			Ends pleasant with rather
5	6	1				a cool air for the Latitude.
6	6	1				
7	6	1				
8	6	1				
9	6	1	N. by S.	S. by N.		Long. by Chron. 20° 5' 30" W. L.
10	6	1				
11	6	1				
12	6	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 52 W	151	1° 32'	117	1° 58' N	1° 58' N	17° W	2° 00'	23° 24'	West.

147 1/2
398 1/2

38 Days.

Ship George from Salem towards Calcutta

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks. On Thursday Sept 17th.
1	6	1	N. by S. E	South E.		Begin with strong breezes and
2	7	1				pleasant. At 2 P. M. to in the
3	7	1				fore and mizen. Royals.
4	7	1	S. W. by W			
5	7	1				Middle part give strong
6	7	1	S. W. by W			breezes and pleasant at 8 P. M.
7	7	1				look in Fly. J. file and main
8	7	1	S. W. by W			Royals.
9	7	1				Harper Mon. by 14° 54' West.
10	7	1				Latter part pleasant and
11	7	1				main royal and Fly file.
12	7	1				Ends with strong breezes and pleasant
1	7	1				At 10 P. M. waiting 4 miles
2	7	1				about 10 miles. His young
3	7	1				Proseliter. Harper Mon. by 14° 54' West.
4	7	1				
5	7	1				
6	7	1				
7	7	1				
8	7	1				
9	7	1				
10	7	1				
11	7	1				
12	7	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 2. W.	155	2° 00'	97'	0° 04' S	0° 04' N	15° 10'	1° 37'	25° 01'	West.

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks. On Friday Sept. 18th. 1829
1	7	1	S. W. by W			Begin with fine breezes and
2	6	1				pleasant.
3	7	1	S. W. by W			
4	6	1				Here comes the Old Gentleman
5	7	1	S. W. by W	S. by E.		as modest as a maid in the moon
6	7	1				with his beaver off. Ha! Ha! Ha!
7	7	1	S. W. by W			
8	7	1				At 6 P. M. look in M. Royal.
9	7	1	S. W. by W			Fly. file and fore & mizen top
10	7	1				Gal. sails
11	7	1				Middle part strong breezes and
12	7	1				pleasant. at 4 am set top Gal sails
1	6	1	S. W. by W			and Fly. file. at 8 set the Royals
2	5	1				Ends with strong breezes and
3	5	1				pleasant took in the Royals,
4	4	1				at 8 P. M. look in the Royals,
5	4	1				at 8 P. M. look in the Royals,
6	5	1				at 8 P. M. look in the Royals,
7	4	1				at 8 P. M. look in the Royals,
8	6	1				at 8 P. M. look in the Royals,
9	6	1				at 8 P. M. look in the Royals,
10	7	1				at 8 P. M. look in the Royals,
11	6	1				at 8 P. M. look in the Royals,
12	7	1				at 8 P. M. look in the Royals,

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 41. W	152'	1° 55'	99'	1° 51' S	1° 47' S	14° W	1° 39'	26° 40'	West.

Ship George from Salem towards Calcutta

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	7		S. W. 1/2 W	S. by E. 1/2 E		Begins with fine breezes and pleasant weather.
2	7					
3	7					
4	7					
5	7					
6	7					Middle part the same
7	7					at 6 A.M. set the Royals.
8	7					
9	7					
10	7					Latter part pleasant at 10
11	6		S. W. 1/2 S	S. S. E.		A.M. saw a ship on the weather
12	6					Bow standing west N. W. she
1	6		S. W. by S.			came near enough to show
2	6					Portuguese Colours, and had
3	6					a disposition to speak but
4	6					as we had not not and we
5	6		S. S. W. 1/2 W	S. E.		sailing faster than she we dropped
6	6					her astern. Long. by Obs. 25° 38' 45" W.
7	6		S. W. by S.	S. E. by S.		(Long. 25° 42' 45")
8	7					
9	7					
10	7					
11	7					
12	7					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 29° W	161	2° 21'	79'	4° 08' S.	4° 09' S.	12° W	1° 19'	25° 08'	25° 45' W.

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	7		S. S. W			Begins with fine breezes and pleasant weather.
2	7					
3	7					
4	7					
5	7		S. S. W 1/2 W			Middle part strong winds
6	7					and pleasant. at 11 P.M. took
7	7		S. by W 1/2 S	S. E.		in the Royals.
8	7					
9	7					
10	7					Latter part strong breezes
11	7					pleasant. at 10 A.M. took in
12	7					lying by.
1	7		S. by W			
2	7					
3	7					
4	7					Even. with strong breezes
5	7					and pleasant.
6	7					
7	8		S. by W 1/2 S			Long. by Obs. 26° 5' 45" West
8	8					Lat. by Obs 7° 26' South
9	8		S. 1/2 W	S. E. by E		Var. per. Mor. Az. 11° 16' West
10	8					
11	8					
12	8					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 5° W	176	2° 56'	114'	7° 13' S.	7° 20' S.	11° W	14' W	25° 22'	West.

4310 1/2
168 1/2

4474

183
4557

Ship George from Salem towards Calcutta

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	7	1	S. 2 W.			Commenced with Fresh Breezes and pleasant weather.
2	7	1				
3	7	1				
4	7	1		E. S. E.		
5	8					
6	8					
7	7	1				
8	8					
9	8		S. by E.			
10	7	1				
11	8					
12	8					
1	8					Middle part the same
2	8					
3	8					
4	8					
5	8					
6	7	1				
7	8					
8	7	1				
9	7	1				
10	8		S. 2 W.			
11	8					
12	7	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 1° E.	186'	5° 06'	3'	10° 26' S	10° 43'	9° W	3' W	25° 25'	

46.51
131
48.44

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	8		S. 6 W.	E. S. E.		Begins with fine breezes and pleasant weather.
2	8					
3	3					
4	8					
5	7	1				
6	7	1				
7	7	1				
8	3					
9	7	1				
10	8					
11	3					
12	7	1				
1	7	1				Latter part strong breezes and fine weather: at 10 A. M. set flying jib and Royals.
2	8					
3	7					
4	8					
5	7	1				
6	7	1				
7	7	1				
8	7	1				
9	7	1				
10	7	1				
11	7	1				
12	7	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 1° N	183'	5° 03'	3'	15° 46' S	13° 53' S	10° 17' W	0° 03'	25° 28' W.	25° 26' W.

25.52
30.57

14 by day

Ship George from Salom towards Calcutta

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1						Begin with fine breeze and
2	8					pleasant weather.
3	8					
4	8					
5		1				
6						
7		1				
8						
9		1				
10						
11		1				
12						
1		1				
2		1				
3						
4						
5	5	1				
6	5	1				
7	5	1				
8	5	1				
9	5	1				
10	5	1				
11	5	1				
12	5					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 6. E.	163	2° 42'	17'	10° 25'	10° 14'	10° 00'	18 miles	26° 03'	
		South.	East.	South.	East.	West.	East.	West.	

125
5316

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	5					Begin with gentle breeze and
2	5					pleasant weather.
3	5					
4	5					
5	5	1				
6	5					
7	5					
8	5					
9	5					
10	5	1				
11	5					
12	5	1				
1	4					
2	3					
3	3					
4	4					
5	4					
6	6					
7	7	1				
8	7	1				
9	6	1				
10	6	1				
11	6					
12	6					

125
5316

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 10. E.	123	2° 01'	00. 21'	18° 50'	18° 54'	10° W.	22'	25° 45'	
		South	East	South	South.	East.	East.	West.	

Snipe George from Salem towards Calcutta

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	5		S. by S.			Commenced with light breeze
2	4	1				and pleasant weather
3	5		S. W. by S.			
4	4	1				At 2 P. M. passed ship & small
5	4		S. W. by S.			and vessel
6	4					
7	4					
8	4					At 8 P. M. strong winds and cloudy
9	4					with large head sea, but in fore
10	4	1				part calm and rough sea
11	4					During the night strong breeze
12	4	1				increased at top of gal. sails.
1	4	1	S. by S.			
2	4	1				
3	4	1				
4	4	1				
5	4	1	S. W. by S.			Under part, pleasant breeze
6	4	1				at top of gal.
7	4	1				
8	4					
9	4	1	S. W. by S.			
10	4	1				
11	4	1				
12	4	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. by S.	75	1° 22'	00 4'	22° 12'	22° 05'	7 1/2	2° 51'	24° 37'	
		South	West	South	South	West	West	West	

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	0		S. by W.			
2	0					
3	0					Through land these 24 hours
4	6					strong breeze and cloudy
5	7					weather, little sail with a large
6	7					head sea
7	6		S. W.	S. by S.		
8	6					
9	7		S. by S.			
10	7					At 7 A. M. in cloud & rain
11	7					made.
12	7	1				
1	6					
2	6					
3	6					
4	6					
5	7	1	S. by S.			
6	8					
7	7	1	S. by S.	S. by S.		
8	3					
9	7	1				
10	7	1				
11	3					
12	3					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 17 1/2	157 1/2	2° 27'	4 1/2'	24° 42'	None	7 1/2	0° 48'	24° 09'	
		South	East	South		West	East	West	

54-74 1/2
1 1/2
53-54 1/2

160 1/2
379 1/2

Ship George from *Savannah* towards *Cuba*

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	3	1	S. by E. 2 E	N. E.		At 7 P.M. set down Fore and Mizzen Topsails at 8 P.M. the same lost in the air and were top gal. sails at 8 P.M. at top gal. sails
2	1	1				
3	3	1				
4	1	1				
5	1	1				
6	1	1				
7	1	1				
8	1	1				
9	3	1	S. by E. 2 E	to		at 8 P.M. at top gal. sails
10	3	1				
11	3	1				
12	3	1				
1	3	1				
2	3	1				
3	3	1				
4	3	1				
5	3	1	S. by E. 2 E	to		at 8 P.M. at top gal. sails
6	3	1				
7	3	1				
8	3	1				
9	3	1				
10	3	1				
11	3	1				
12	3	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. by E. 2 E	157	2° 24'	135	20° 55'	21° 00'	11° 1'	2° 30'	91° 09'	
		South	East	South	North	West	East	West	

61° 10'
20° 55'
60° 55'

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	3	1	S. by E. 2 E	N. E.		At 7 P.M. set down Fore and Mizzen Topsails at 8 P.M. the same lost in the air and were top gal. sails at 8 P.M. at top gal. sails
2	3	1				
3	3	1				
4	3	1				
5	3	1				
6	3	1				
7	3	1				
8	3	1				
9	3	1	S. by E. 2 E	to		at 8 P.M. at top gal. sails
10	3	1				
11	3	1				
12	3	1				
1	3	1				
2	3	1				
3	3	1				
4	3	1				
5	3	1	S. by E. 2 E	to		at 8 P.M. at top gal. sails
6	3	1				
7	3	1				
8	3	1				
9	3	1				
10	3	1				
11	3	1				
12	3	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. by E. 2 E	153	1° 23'	118	28° 44'	28° 49'	11° 50'	2° 01'	19° 58'	
		South	East	South	South	West	East	West	

61° 10'
20° 55'
60° 55'

Ship *Corn* from *Satara* towards *Calcutta*

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	2		S. E.	light		Begin with light winds and
2	3					clear weather.
3	4	1				
4	5	1				
5	6	1				
6	7	1				
7	8	1				
8	9	1				
9	10	1				
10	11	1				
11	12	1				
1	2					
2	3	1				
3	4	1				
4	5	1				
5	6	1				
6	7	1				
7	8	1				
8	9	1				
9	10	1				
10	11	1				
11	12	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 56. E.	100	1° 02'	71'	29° 51'	29° 51'	11°	1° 41'	17° 54'	
		S. 4th	East	North	South	West	East	West	

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	2		S. E.	N. E.		Begin with light winds and
2	3					pleasant weather.
3	4	1				
4	5	1				
5	6	1				
6	7	1				
7	8	1				
8	9	1				
9	10	1				
10	11	1				
11	12	1				
1	2					
2	3					
3	4	1				
4	5	1				
5	6	1				
6	7	1				
7	8	1				
8	9	1				
9	10	1				
10	11	1				
11	12	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 57. E.	56	0° 36'	47'	30° 21'	30° 16'	12°	0° 54'	17° 00'	
		S. 4th	East	South	South	W.	East	West	

Ship *Conqueror* from *Salem* towards *Calcutta*

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	3		N.E.	N.W.		begins with light wind and pleasant.
2	3					
3	3	1				
4	11					At 10 P.M. commences raining
5	11					but in the night, rain stops.
6	11					and bright.
7	11					
8	3					
9	3	1				Middle part rain with
10	5	1				variable wind but in the night
11	11					fall hauls up courses.
12	11					
1	1					At 11 we ship to S.W. East
2	3					at 11 we ship to South and
3	3					
4	3					
5	1					Latter part rain with
6	11					and most Rain
7	4	1				
8	11	1				
9	11					
10	11	1				
11	11	1				
12	5					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 11 E.	65	0° 47'	0° 14'	31° 15'	Same	114°	2° 30'	16° 12'	
		South.	East	South.		114°	East	West.	

6319

91
5410

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	6		S. 1/2 E.	E. S. E.		Begins with strong gales and
2	7					Rainy weather.
3	7	1	South			
4	7					At 4 P.M. close reefed fore
5	5		S. 2 W.			and mizen top sails and double
6	4	1			110	reefed main. at 6 furlled mainsail
7	4		S. S. W.	S. E.		and sent down royal yards.
8	4					
9	3	1	S. 1/2 W.			
10	3					Middle part continues blowing
11	3		S. by W. 1/2 W.		270	set staysails and furlled foresail
12	1	1	S. S. W. 1/2 W.			
1	2					
2	2	1				
3	2					Latter part the same
4	2	1				caught several cape pigeons & fine
5	2		S. S. W.			Albatross &c
6	2					
7	2					
8	2					
9	1	1	S. by W.			
10	1	1				
11	1	1				
12	1	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 1/2 S.	71	76'	91'	32° 21'	Same	150	15'	16° 25'	
		South	East	South		150	East	West	

79
6489

Ship *Enterprise* from *Salem* towards *Calcutta*

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	1	1	S. by E.	S. E.		Begin with heavy breeze and
2	1	1				very much
3	1	1	S. by W.			
4	1	1				
5	1	1				at 5 P.M. more moderate sea
6	1	1				begin to rain but soon clear
7	1	1	S. by E.			but some squalls and at 11
8	1	1				Courses.
9	1	1	S. by E.	S. E.		
10	2	2				
11	2	2				middle part continued with
12	2	2				rain and squalls.
1	1	1	S. by E.			
2	1	1				middle part of rain.
3	2	2				middle part of rain and squalls
4	2	2				
5	2	2	S. by E.	S. E.		at 1 P.M. part has been rain
6	2	2				but not so frequent as
7	2	2				at 1 P.M.
8	2	2				
9	2	2				
10	2	2				
11	2	2				
12	2	2				Strong breeze 16° of West.

10489
532
85425

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. by E.	33'	0° 16'	37'	32° 58'	32° 58'	10°	2° 45'	15 45'	
				South.	South.		East.	West.	

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	1	1	S. by E.			at 1 P.M. strong breeze and
2	1	1				rain, middle part of rain
3	1	1				at 1 P.M. set from S. by E.
4	1	1				at 1 P.M.
5	1	1				
6	1	1		West.		
7	1	1				
8	1	1				at 1 P.M. a heavy squall
9	1	1				and a rain squall
10	1	1				
11	1	1				
12	1	1				
1	1	1				During the night very strong
2	1	1				wind with squalls, gusts
3	1	1				and rain. Double reefed sails
4	1	1				up.
5	1	1				
6	1	1				at 1 P.M. strong breeze and
7	1	1				pleasant, all the breeze the
8	1	1				boats were out.
9	1	1				
10	1	1				
11	1	1				
12	1	1				

206
5748

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. by E.	215'	0° 14'	100'	33° 14'	33° 33'	16°	4° 00'	11° 45'	
		South	East	South	North	W.	East	West	

Ship George from Dulacca towards Goolberrah

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	8	1				
2	9	1				
3	1	1				
4	1	1				
5	2	1				
6	2	1				
7	2	1				
8	8	1				
9	7	1				
10	7	1				
11	8	1				
12	8	1				
1	7	1				
2	7	1				
3	7	1				
4	7	1				
5	7	1				
6	7	1				
7	7	1				
8	7	1				
9	7	1				

at 3.31.04 pm

Long by Obs was 12.2.30 West

213 - 8.2.0
32 - 3.04
181 - 5.16

Varia.	Diff. Long.	Long. in	Long. by Ob.
11	11	7.24	8.20
East	West	West	at

day 8th Oct.

very breezy and
in double reefed

noon
6748
213
6961

5	5	1									
6	3	1									
7	8	1									
8	8	1									
9	8	1									
10	8	1									
11	8	1									
12	7	1									
1	7	1									
2	7	1									
3	5	1									
4	5	1									
5	5	1									
6	5	1									
7	4	1									
8	4	1									
9	4	1									
10	3	1									
11	3	1									
12	2	1									

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 77.6	156	291	153	34° 38'	34° 28'	18°	3.04	5° 16'	corrected
		South	East	South	South	West	East	West	

156
7117

Ship 1000 fms from Saturn towards Earth

H. K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	1				
2	1				
3	1				
4	1				
5	1				
6	1				
7	1				
8	1				
9	1				
10	2				
11	2				
12	2				
1	1				
2	1				
3	2				
4	2				
5	2				
6	4				
7	4				
8	4				
9	3				
10	3				
11	3				
12	3				

10489
532
65427

$$\begin{array}{r}
 314 - \\
 \hline
 95 \cdot \\
 26 \cdot 25 \\
 26 \cdot 24 \\
 26 \cdot 23 \\
 16 \cdot 49 \\
 \hline
 18 \cdot 41
 \end{array}$$

S 10 W.
 16 W.
 3 W.
 South
 S 5 W.
 S 7 1/2.

Course.	
<i>S. C. L. E.</i>	

H.	K.	H. K.
1	6	
2	2	
3	8	
4	3	
5	9	
6	9	1
7	9	1
8	9	1
9	9	
10	9	
11	9	
12	9	
1	8	1
2	5	1
3	8	1
4	8	1
5	8	1
6	8	1
7	8	1
8	8	1
9	8	1
10	9	
11	9	
12	9	

314
95
26
26
18

many of the birds were
seen, another lot of birds
of yellow throats, but few of the
strawberries.

At 10 P.M. a heavy rain fell
and a cold stormy night.

During the night very strong
winds with rain squalls, further
rain, and double crops of
hail.

Latter part of the night and
pleasant, with the breeze the day
birds were heard.

206
v. 748

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 77.6.	205	2° 14' 0" South	100 East	33° 14' 1" South	33° 36' South	16° W.	4° 00' East	11° 45' West	

Ship George from Salina towards Galveston

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	8	1	S. by E. 6 N.			Commenced with strong wind and
2	8	1				pleasant, at 4 P.M. set fore top
3	1	1				and at 4.30 set main top
4	1	1				and at 5.15 set main top
5	1	1				and at 5.45 set main top
6	2	1		W. by N.		Middle part strong wind and
7	2	1				pleasant, at 6.15 set fore top
8	2	1				and at 6.45 set main top
9	2	1				and at 7.15 set main top
10	2	1				and at 7.45 set main top
11	2	1				and at 8.15 set main top
12	2	1				and at 8.45 set main top
1	1	1	S. by E. 6 N.			at 3.31'04" P.M. Long. Obs 12°2'30" West
2	1	1				
3	1	1				
4	1	1				
5	1	1				
6	1	1				
7	1	1				
8	1	1				
9	1	1				
10	1	1				
11	1	1				
12	1	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 77° E.	213	9°41'	203	34°17'	34°07'	1°10'	4°11'	77°4'	8°20'
		South	South	South	South	East	East	West	West

none
6748
213
6961

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	8	1	S. by E. 6 N.			Began with strong breezes and
2	8	1				squally, at 3 P.M. double reefed
3	3	1				main top sail.
4	8	1		S.W.		
5	8	1				Middle part quite moderate
6	3	1				and pleasant. At 6.15 set fore
7	8	1				and at 6.45 set main top
8	8	1				and at 7.15 set main top
9	8	1				also, set fore and mainsail.
10	8	1				
11	8	1				
12	8	1				
1	1	1	S. by E. 6 N.			at 3.31'04" P.M. Long. Obs 12°2'30" West
2	1	1				
3	1	1				
4	1	1				
5	1	1				
6	1	1				
7	1	1				
8	1	1				
9	1	1				
10	1	1				
11	1	1				
12	1	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 77° E.	156	291	153	34°38'	34°28'	18°	3°04'	5°16'	corrected
		South	South	South	South	West	East	West	corrected

156
7117

Ship George from Salerap towards Culcutta?

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1						
2						Begin with light winds and pleasant weather. Caught an abundance of Cape Pigeons.
3						
4						
5			S. by E. S.	E. by S.		
6						At 8 squally appearances took in
7						fly. etc. and top gale sails and
8						unfurled the top sails.
9			S. E. & S.			
10						Middle watch strong gales close
11						reared the topsail. furled main sail.
12						
1			South.		19°	and set the stay sails.
2						
3			S. by W. & S.			
4						At 11 A.M. reared the foresail
5			S. S. W.	S. E.	30°	
6						Ends more moderate.
7						Head a fine Cape Pigeon.
8						
9			S. W. by S.			Under per Evening smooth. 18° 53' West.
10						
11						
12						

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 26. E.	58'	52'	25'	35° 30'	35° 32'	19°	31'	16° 15'	
		South	East	South	South	West	East	West	

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	3		E. & S.		22°	
2	3			S. by E.		Begin with strong gales and
3	3					cloudy weather.
4	4					
5	3		E. by S.			Middle part the same very
6	3					cold weather.
7	3		E. by S. & S.			
8	4					Scatter part sheet and reef
9	3		E. S. E.			and topsail, and set foresail.
10	3					
11	3		E. by S. & S.			Set the 1 st and main sail.
12	3					
1	3					
2	3		E. S. E.	South		Ends with heavy gales a
3	3					large sea, and cold weather.
4	3					
5	3					
6	3				1/2 L.	
7	4					
8	4					
9	5					
10	6					
11	6					
12	6					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. 70. E.	90'	30'	85'	35° 02'	35° 01'	20°	1° 43'	3° 32'	
		North	East	South	South	West	East	West	

7117
77
7194

93
7287

Ship George from Salween towards Calcutta

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks. on Sunday Oct 11th
1	6		S. by E.	S. by E.	5 ⁰	Begins with strong gales and squally appearances. Reefed the mainsail.
2	6					
3	6					
4	6					
5	5	1	S. by E.	S. by E.		During the night more moderate. Took out the mainsail.
6	5	1				
7	6					
8	1					
9	5	1	S. by E.	S. by E.		Latter part sheet and reefed top sail and set fore and main top gallsails.
10	6					
11	1					
12	5	1				
1	5	1	S. by E.	S. by E.		Went with strong breezes and heady, pleasant.
2	4					
3	6					
4	4					
5	4		S. by E.	S. by E.		
6	3					
7	3	1				
8	4	1				
9	5	1	S. by E.	S. by E.		
10	4	1				
11	5	1				
12	5	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. 72 E.	129	0° 40'	122	34° 24'	34° 16'	21° 0'	2° 25'	0° 35'	
		South	East	South	South	West	East	West	

7287
150
7417

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks. on Monday Oct 12th.
1	5	1	S. by E.	S. by E.	1/4 P.	Begins with strong breezes and passing squalls. In P.M. took in fore top gal. sail.
2	5	1				
3	5	1				
4	5	1				
5	5	1	S. by E.	S. by E.		Middle part the same took in main top gal. sail.
6	6					
7	5	1				
8	5	1				
9	5	1	S. by E.	S. by E.		Latter part strong breezes and passing squalls. Caught a great many Cape pigeons.
10	4	1				
11	5	1				
12	4	1				
1	4	1	S. by E.	S. by E.		Wind with a head sea and wind.
2	4	1				
3	4	1				
4	4	1				
5	5	1	S. by E.	S. by E.		
6	6					
7	5	1				
8	6	1				
9	6	1	S. by E.	S. by E.		
10	6					
11	6					
12	5					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. 72 E.	129	0° 42'	118	33° 34'	33° 22'	21° 0'	2° 25'	1° 48'	
		South	East	South	South	West	East	East	

129
7546

Ship George from Salomon towards Calcutta

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	5	1	East	S. S. E.	5°	Begin with strong breeze and
2	5	1				spicy weather.
3	5	1				
4	5	1				At 10 P.M. wore ship to southward
5	5	1				and Westward.
6	5	1				
7	5	1				middle part the same.
8	5	1				
9	4	1	E. N. E.			
10	4	1	E. N. E.			Latter part brought a fine
11	4	1				begin.
12	4	1				
1	4	1	S. W. E.			At 3 P.M. looked ship to
2	4	1				N. and East.
3	4	1	S. W.			
4	4	1				
5	5	1	S. W. S.			At 11 P.M. ship to southward
6	5	1				and made me see main top gal. sail
7	5	1				Ends pleasant
8	5	1				
9	5	1	E. N. E.			
10	5	1				
11	5	1	N. E. by E.			
12	5	1	S. S. W.			

7546
199
7675

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 59. E.	40	20'	34	35° 42'	33° 27'	22°	41'	2° 21'	
		South	East	South	South	West	East	East	

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	5		S. S. W. by W.	S. E.		Begin with light winds and
2	5					pleasant weather.
3	5	1	S. W.	S. S. E.		
4	5	1				
5	4	1	S. W. S.	S. E. by S.		
6	4	1				middle part light winds
7	4	1	S. W. by S.			
8	4	1				at 9 looked ship to N. and Eastward
9	4	1	S. W.			
10	5	1	E. N. E.			at 10 looked to southward and were
11	3	1				
12	3	1	S. W. by S.			
1	4	1	S. S. W.	S. E.		Latter part the same
2	4	1				
3	4	1				End with head winds and
4	4	1				pleasant. A plenty of pretty rain.
5	4	1	S. by W. by W.			
6	3	1				at 3. Threw up all top sails and
7	3	1	S. S. W.			set top gal. sails.
8	4	1				
9	4	1				
10	5	1				
11	3	1	S. S. W.			
12	3	1				

952
7770 1/2

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 2 W.	83	1° 24'	3'	34° 31'	35° 04'	23°	4'	2° 25'	
		South	West	South	South	West	East	East	

Ship George from Saleny towards Calcutta

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks. on Thursday Oct. 15th
1	2		South.			Begin with light winds and pleasant.
2	2					
3	2		S. by W.			
4	1					
5	1	1	S. by E.			During the night light
6	1	1				parting winds.
7	1		S. S. E.			
8	1	1				
9	2		S. E. by S.			Latter part more steady
10	2					breeze. sent up main Royal
11	1	1				yard and set the Harbourn
12						standing sails.
1	1	1	S. E.			
2	2					
3	3					
4	1					
5	2	1				Ends with light winds and
6	2	1				pleasant weather.
7	2	1				
8	3	1				
9	3	1				
10	4					
11	4	1				
12	4	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 57. E.	51	2° 48'	0° 43'	35° 32'	35° 36'	23°	3° 52'	2° 78'	
		South.	East	South.	South.	West	East.	East.	

1770
53
7824

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks. on Friday Oct. 16th. 1829
1	5		S. E.	N. E. by W.		Begin with fine breeze and pleasant weather.
2	5					
3	6					
4	6					
5	7					At 9 P.M. the wind hauled suddenly
6	7					ahead took in all sheet sails, main
7	8					Royal, fore and main top, gal.
8	8					sails.
9	8		S. by E.	S. by W.		
10	7	1				
11	6	1	E. S. E.			At 12 P.M. took in main top gal
12	7					tail and double reefed the top sails.
1	6	1				
2	7					
3	6	1				Latter part strong Head
4	7					Winds and sea.
5	6	1	E. by S.			
6	7					
7	6	1	East.	S. S. E.		Ends the same.
8	6					
9	8					
10	6					
11	6		E. by S.			
12	7					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 85. E.	113	0° 10'	112'	35° 46'	35° 26'	23°	2° 17'	5° 35'	
		South.	East	South.	South.	West	East	East.	

160
7984

Ship came from *Satara* towards *Calcutta*

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	6	1	S. by E. N. E.	S. E.		Begin with light wind and pleasant weather.
2	5					
3	6					
4	5	1				
5	6		N. by E. S. E.			
6	6					
7	5		S. by E. N. E.			
8	6					
9	4		S. by E. N. E.			
10	4					
11	5		S. by E. N. E.			
12	5					
1	1	1	S. by E. N. E.			
2	2					
3	1	1	S. by E. N. E.	W. by S.		
4	1					
5	1	1				
6	1					
7	1					
8	1					
9	1		S. by E. N. E.			
10	1					
11	1					
12	1					

7934
696
8630.2

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 17. E.	140'	0° 01'	5° 39'	35° 35'	35° 42'	24° 6'	547'	6° 22'	
		South.	East	South.	South.	West	East	East.	

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	5	1	S. E.	N. W.		Begin with light wind and pleasant weather set all drawing studding sails.
2	4			to		
3	3	1		N. W. by N.		
4	4					
5	6	1				
6	6	1				
7	7					
8	8					
9	8	1				
10	8	1				
11	8	1				
12	8	1				
1	8			N. N. W.		
2	8			to		
3	8					
4	8					
5	8			N. N. W.		
6	8	1				
7	8			N. by E.		
8	8	1				
9	8	1				
10	7					
11	7	1		S. W.		
12	10					

179
5232.2

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 71. E.	179	0° 58'	169'	36° 40'	36° 27'	26°	3° 29'	9° 51'	
		South	East	South	South	West	East	East	

Ship George from Salern towards Calcutta

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	9		S. E.	S. W.		Begin with strong breezes and
2	9					pleasant at 6 o'clock in fore and
3	9					main top gal. sails.
4	9					
5	9	1				
6	9	1				at 8 squalls appearances lost
7	9	1				and reef in the topsails.
8	9	1				
9	9	1				
10	9	1				
11	10					hatter part shock and reef
12	9					and set top gal. sails.
1	9					
2	9	1				
3	9	1				Ends with strong breezes
4	9					and cloudy weather.
5	8	1		S. W. by S.		
6	8					
7	8					
8	8		S. E. by E.			
9	8					
10	8					
11	8					
12	8					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 75. E.	210'	54'	202	37° 21'	37° 12'	28°	4° 14'	14° 05'	
		South.	East	South.	South.	West	East	East	

8232'
210'
8443'

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	7	1	S. E. by E.	S. W. by S.		Begin with strong breezes and
2	7	1				cloudy weather. Caught a fine
3	7	1				Porpoise.
4	7	1				
5	7	1				at 4 set the Harbour and
6	8					sails.
7	8					
8	8					
9	8					
10	7	1				During the night strong
11	8					winds and squally at times
12	7	1		N. W.		
1	8	1				At 3 set the Harbour and
2	8	1				sails. Caught another Porpoise.
3	8	1				
4	8	1				
5	7	1				This day we weather the Cape
6	8	1				of Good Hope.
7	7	1				
8	8					
9	8					
10	8					
11	8					
12	8					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 86. E.	189'	0° 13'	188'	37° 25'	37° 14'	30°	3° 56'	18° 01'	
		South.	East	South.	South.	West	East	East	

181
8032'

Ship George from Salem towards Calcutta

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	7	1	S. by E.	S. by N.		
2	7	1				
3	7	1				
4	7	1				
5	5	1				
6	5					
7	4					
8	6					
9	6	1				
10	6	1				
11	6	1				
12	6	1				
1	6	1				
2	5					
3	6	1				
4	7					
5	6	1				
6	6	1				
7	7					
8	7					
9	7	1				
10	7	1				
11	7	1				
12	8					

*Throughout it was 24 hours
of a breeze and pleasant
weather.*

*At 7 43-57.4. W. D. R. Long 21° 44' 15"
Long by Chron. Noon 22° 3' 15"
Long by Chron. 22° 7' 45"*

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. by E.	162'	0° 11'	162'	37° 25'	37° 26'	30°	3° 23'	21° 31'	
		South.	East.	South.	South.	West.	East.	East.	

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	8		S. by E.	S. by N.		
2	8	1				
3	8	1				
4	8					
5	3					
6	8					
7	7	1				
8	7	1				
9	7					
10	7					
11	6					
12	7	1				
1	7	1				
2	7	1				
3	7					
4	7	1				
5	6	1				
6	5	1				
7	5					
8	4					
9	5					
10	5					
11	5					
12	4					

*Began with strong breezes and
pleasant weather.*

*Var. per. Evening 11 miles.
31° 00' West.*

Middle part the same.

*Scatter part light wind and
pleasant. All hands on play
in mending sails.*

Long by Chron. 25° 53' East

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 87° E.	165'	0° 09'	165'	37° 35'	37° 20'	31°	3° 26'	24° 56'	

86.2
16
87.7

161
89.5

*N. of West. 21 miles.
H. T. H.*

Ship George from Salern towards Capcutta

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	4	1	S. by E.	N. Y.		Begins with light winds and
2	4	1				pleasant all. Hands employed
3	4	1				in mending sails.
4	4	1				
5	3	1				
6	3	1				
7	6	1				Middle part light winds
8	6	1				and cloudy.
9	6	1				
10	5	1				
11	5	1				At 5 P.M. winds hauled to
12	5	1				and sheets took in all, shed. sails
1	6	1				and braced up.
2	5	1				
3	6	1				
4	6	1				
5	6	1				
6	4	1				
7	7	1				
8	7	1				
9	7	1				
10	8	1				
11	8	1				
12	8	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 30. E.	143	0° 10'	143	37° 30'	37° 27'	30°	2° 57'	27° 49'	

5758
145
7100

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	8	1	S. by E.	S. by E.		Begins with strong breezes and
2	8	1				equally appearances.
3	8	1				
4	8	1				
5	7	1				
6	7	1	S. by E.	S. by E.		Middle part light winds and
7	6	1				cloudy weather.
8	6	1				
9	5	1	E. by S.	S. by E.		At 4 P.M. hauled ship to the
10	5	1				landward.
11	4	1	E. by S.	S. by E.		Middle part strong breezes
12	4	1				and cloudy.
1	3	1				
2	3	1				
3	3	1	E. by N.	S. by E.		End of the same.
4	2	1				
5	2	1	N. E.	S. by E.		Variation per Noon, Azimuth
6	3	1	S. by E.	S. by E.		30° 12' North.
7	3	1				
8	3	1				
9	4	1	S. by E.	S. by E.		
10	5	1				
11	5	1				
12	6	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 38. E.	112	0° 3'	112	37° 32'	37° 12'	30°	2° 20'	30° 09'	

115
315

76 *Gr. ant.*

Ship George from Saline towards Cutwell						
H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	5		S. by E.	N. by E.		Drizzle with strong breeze
2	8					
3	5		S. by E.			Drizzle with strong breeze
4	5					
5	3	1				
6	9					
7	7	1				
8	9					
9	9					
10	7	1				
11	9					
12	7	1				
1	7					
2	9					
3	7	1				
4	7					
5	7	1				
6	7					
7	7	1				
8	9					
9	7	1				
10	7					
11	7	1				
12	7					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. 35. E.	2 1/2	15 20	2 10	37° 32'	37° 30'	2°	14° 25'	21° 25'	21° 25'
		10 E. 10		37° 32'	37° 30'	2°	14° 25'	21° 25'	21° 25'

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	8					Begin with strong Gale and
2	8					lighter weather at 11 P.M. continue
3	9			N.W.		main the Gale sail.
4	9					
5	10					
6	10					at 8 P.M. increase rigging the
7	8	1				great lower down rig the fore
8	9					and main topsail and set on in
9	9					the main the sea.
10	9					
11	9					
12	9					
1	8	1				During the night the
2	8	1				Gale and a large sea
3	9	1				
4	9	1				
5	9	1				and blinding rain, first
6	9			N.W.		with a barometer down.
7	9					
8	9	1				
9	9	1				
10	9					Spoke by. Course 57° S. E.
11	9					
12	8	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. 87° E.	220	0° 04'	22° E.	37° 46'	37° 28'	29'	4° 36'	79° 10'	
		North.	East	South.	South.	West	East.	East	

Ship George from Salinas towards Montserrat

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	8					
2	8					
3	8					
4	8					
5	8					
6	8					
7	8					
8	8					
9	8					
10	8					
11	8					
12	8					
1	8					
2	8					
3	8					
4	8					
5	8					
6	8					
7	8					
8	8					
9	8					
10	8					
11	8					
12	8					

W. by N. 1/2 N. 1/2 E. 1/2 S. 1/2 E.

Long by Chron. $43^{\circ}52'45''$ East
Bar. 30.15

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 85. E.	171	2' 15"	17'	$27^{\circ}32'$	$27^{\circ}41'$	29°	$3^{\circ}42'$	$42^{\circ}52'$	

9046
177
9823

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	8					
2	8					
3	8					
4	8					
5	8					
6	8					
7	8					
8	8					
9	8					
10	8					
11	8					
12	8					
1	8					
2	8					
3	8					
4	8					
5	8					
6	8					
7	8					
8	8					
9	8					
10	8					
11	8					
12	8					

W. by N. 1/2 N. 1/2 E. 1/2 S. 1/2 E.

Long by Chron. $47^{\circ}11'30''$ East

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 85. E.	130	16'	184	$27^{\circ}01'$	$27^{\circ}11'$	29°	$3^{\circ}52'$	$46^{\circ}44'$	

188-
7228

50 days.

Ship *Cape* from *Sulow* towards *Calcutta*

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	5					
2	8					
3	8					
4	8					
5	8					
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5	8					
6	8					
7	8					
8	8					
9						
10						
11						
12						

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
J. S. S. S.	200	1° 17'	2.11	5° 31'	5° 31'	28°	14° 5'	50° 27'	

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	9					
2	9					
3	9					
4	1					
5	1					
6	1					
7	9					
8	8					
9	8					
10	6					
11	6					
12	5					
1	5					
2	5					
3	5					
4	5					
5	5					
6	4					
7	4					
8	4					
9						
10						
11						
12						

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. S. S. E.	158	0° 13'	1.37	37° 28'	37° 24'	28°	2° 53'	53° 52'	

16.003
205
15.213

131
10.352

Ship <i>Cory</i> from <i>Sable</i> towards <i>Caribbean</i>										
H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.				
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
Course.		Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 33. E.		15.7	5	18.3	31° 29'	None	26°	3° 17'	57° 01'	
H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.				
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
Course.		Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N. 87. E.		17.1	8	17.1	20° 2'	37° 29'	20°	5° 0'	61° 36'	

10.352
150
100.52

17.1
17.1

84 days

Ship *Cent* from *1.2* towards *6.2*

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	1	1	6.2	W.		
2	1	1	6.2	W.		
3	4	1	6.2	W.		
4	4	1	6.2	W.		
5	4	1	6.2	W.		
6	4	1	6.2	W.		
7	4	1	6.2	W.		
8	4	1	6.2	W.		
9	4	1	6.2	W.		
10	4	1	6.2	W.		
11	4	1	6.2	W.		
12	4	1	6.2	W.		
1	4	1	6.2	W.		
2	4	1	6.2	W.		
3	4	1	6.2	W.		
4	4	1	6.2	W.		
5	4	1	6.2	W.		
6	4	1	6.2	W.		
7	4	1	6.2	W.		
8	4	1	6.2	W.		
9	4	1	6.2	W.		
10	4	1	6.2	W.		
11	4	1	6.2	W.		
12	4	1	6.2	W.		

1820
114
10/13

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
6.2	1.2	0° 55'	101	38° 2'	38° 2'	25°	0° 43'	62° 44'	

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	1	1	6.2	North		
2	1	1	6.2	North		
3	1	1	6.2	North		
4	1	1	6.2	North		
5	1	1	6.2	North		
6	1	1	6.2	North		
7	1	1	6.2	North		
8	1	1	6.2	North		
9	1	1	6.2	North		
10	1	1	6.2	North		
11	1	1	6.2	North		
12	1	1	6.2	North		
1	1	1	6.2	North		
2	1	1	6.2	North		
3	1	1	6.2	North		
4	1	1	6.2	North		
5	1	1	6.2	North		
6	1	1	6.2	North		
7	1	1	6.2	North		
8	1	1	6.2	North		
9	1	1	6.2	North		
10	1	1	6.2	North		
11	1	1	6.2	North		
12	1	1	6.2	North		

100
10/13

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. 67. E.	1.2	0° 14'	1.5	38° 2'	38° 2'	25°	0° 43'	62° 44'	

Ship *Cory* from *Dublin* towards *London*

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	10		East.	North		
2	9					
3	10					
4	9	1				
5	9	1				
6	9	1				
7	9	1				
8	10					
9	10					
10	10	1				
11	10	1				
12	10	1				
1	10		East.	North		
2	10					
3	10					
4	10					
5	10					
6	10					
7	10					
8	10					
9	10					
10	10					
11	10					
12	10					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N. 63. E.	252	1° 40'	265	35° 35'	35° 41'	21°	4° 18'	70° 42'	
		North	East	South	South	West	East	East	

10.777
252
11.029

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	8	1	East.	North		
2	8	1				
3	8	1				
4	8	1				
5	8	1				
6	8	1				
7	8	1				
8	8	1				
9	8	1				
10	8	1				
11	8	1				
12	8	1				
1	8	1	East.	North		
2	8	1				
3	8	1				
4	8	1				
5	8	1				
6	8	1				
7	8	1				
8	8	1				
9	8	1				
10	8	1				
11	8	1				
12	8	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N. 70. W.	20	1° 54'	164	33° 15'	33° 8'	1°	3° 18'	74° 15'	75° 20'
		North	East	South	South	West	East	East	

251
11.041

11.061

58 days.

Ship George from Taka towards Calcutta.

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	7	1	E. N. E.	N. W.		Begin with strong breezes and pleasant.
2	8					
3	7	1				
4	8					
5	7	1				
6	7	1				
7	7	1	V. E. by E.			
8	7	1				
9	7	1				
10	6	1				
11	7	1				
12	6	1				
1	7	1				
2	6	1				
3	6	1				
4	6	1				
5	6	1	N. E. by E.			
6	6	1				
7	6	1	E. N. E.	N. W.		
8	6	1				
9	6	1	N. E. by E.			
10	6	1				
11	7	1				
12	7	1				

11.414
168
11.582

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. 41. E.	167	2° 35'	110	31° 53'	32° 03'	17°	2° 10'	76° 10'	77° 5'

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	7		N. E. by E.	N. W.		Begin with gentle gales and pleasant weather. at 4 p.m. and minor Royal Guards.
2	7					
3	7					
4	7					
5	6		S. E. by E.			
6	6					
7	6		E. N. E.			
8	6					
9	6		N. E. by E.			
10	6					
11	6		E. N. E.			
12	6					
1	6	1	N. E. by E.			
2	6	1				
3	6	1				
4	6	1				
5	6					
6	6					
7	6		E. N. E.			
8	6					
9	6		E. by E.			
10	6					
11	6					
12	6					

157
11.741

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. 52 E.	147	1° 32'	118	30° 56'	31° 06'	13°	2° 18'	78° 28'	79° 55'

Ship *George* from *Saline* towards *Calcutta*

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1			E by N	14		At 10 AM
2						
3			E by N			
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N. 1/2 E.	141	1° 4'	10'	29° 18'	29° 20'	10°	2° 21'	80° 49'	82° 14'

11-41
140
11835

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1			N. 1/2 E.	14		At 10 AM
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N. 1/2 E.	118	1° 48'	142'	29° 48'	29° 48'	10°	0° 43'	81° 17'	83° 02'

118
12004

Ship came from <i>Salerno</i> towards <i>Calcutta</i>										
H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.				
1	8		N. 56° E.	South		<p>At 5 A.M. saw a ship bearing S. by S. at 11 she came up and spoke us, her name the <i>Lord Byron</i> from Madras bound to Calcutta. She had her fore and main masts in view of a few small articles with which we supplied her and the rest of her crew on board.</p> <p>Lat. by Chron. $85^{\circ} 06' 30''$ East</p>				
2	8									
3	8									
4	8									
5	8									
6	8									
7	8									
8	8									
9	8									
10	8									
11	8									
12	8									
1	8					<p>At 5 P.M. saw a ship bearing S. by S. at 11 she came up and spoke us, her name the <i>Lord Byron</i> from Madras bound to Calcutta. She had her fore and main masts in view of a few small articles with which we supplied her and the rest of her crew on board.</p> <p>Lat. by Chron. $85^{\circ} 06' 30''$ East</p>				
2	8									
3	8									
4	8									
5	8									
6	8									
7	8									
8	8									
9	8									
10	8									
11	8									
12	8									

12.0.4
15.0
12.0.4

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. 56° E.	150	2° 30'	0° 3'	25° 15'	24° 43'	9°	5° 04'	81° 41'	83° 26'
		North	East	South	South	West	East	East	East

On Wednesday Nov 11th.										
H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.				
1	6		N. 56° E.			<p>Began with light breeze and pleasant weather.</p> <p>At 10 A.M. the fast sailing ship was abreast of us to windward. At 12 m. 1 1/2 miles Astern of the George. Ended with strong breeze and pleasant.</p>				
2	7									
3	7									
4	7									
5	7									
6	8									
7	8									
8	7									
9	7									
10	8									
11	8									
12	8									
1	7					<p>At 10 A.M. the fast sailing ship was abreast of us to windward. At 12 m. 1 1/2 miles Astern of the George. Ended with strong breeze and pleasant.</p>				
2	7									
3	7									
4	7									
5	7									
6	8									
7	7									
8	7									
9	7									
10	7									
11	7									
12	7									

18.0
12.0.4

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. 56° E.	182	3° 01'	16'	21° 42'	22° 02'	8'	18'	81° 23'	82° 48'
		North	West	South	South	West	West	East	East

Whip Ledge from Salem towards Calcutta.

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	/	/	N. by E.			Travelling 24 hours
2	/	/				
3	/	/		S. by E.		
4	/	/				the water and current
5	/	/				made us go very fast
6	/	/				and the wind fresh
7	/	/				
8	/	/				
9	/	/				
10	/	/				
11	/	/				
12	/	/				
1	/	/				
2	/	/				
3	/	/				
4	/	/				
5	/	/				
6	/	/				
7	/	/				
8	/	/				
9	/	/				
10	/	/				
11	/	/				
12	/	/				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. by E.	198	3° 5'	234	18° 47'	18° 54'	7°	0° 35'	82° 00'	82° 25'
						West	East	East	East

1255
198
1255

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	/	/	N. by E.	S. by E.		Travelling 24 hours
2	/	/				
3	/	/				
4	/	/				
5	/	/				
6	/	/				
7	/	/				
8	/	/				
9	/	/				
10	/	/				
11	/	/				
12	/	/				
1	/	/				
2	/	/				
3	/	/				
4	/	/				
5	/	/				
6	/	/				
7	/	/				
8	/	/				
9	/	/				
10	/	/				
11	/	/				
12	/	/				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. by E.	220	3° 13'	28°	15° 56'	15° 52'	3°	0° 25'	82° 29'	82° 54'
						West	East	East	East

220
7285

10.10.11

Ship George from Halmah towards Calcutta.

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	1					
2	1					
3	1					
4	1					
5	1					
6	1					
7	1					
8	1					
9	1					
10	1					
11	1					
12	1					
1	1					
2	1					
3	1					
4	1					
5	1					
6	1					
7	1					
8	1					
9	1					
10	1					
11	1					
12	1					

12.7.55
198
12.7.55

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. 7. E.	198	3° 16'	2° 41'	12° 16'	N. 10°	2° -	0° 32'	83° 01'	84° 26'
		N. 10° E.	2° 41'	12° 16'				East	East

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	5	1	N. 10. E.	S. by E.		
2	5	1				
3	5	1				
4	5	1				
5	5	1				
6	5	1				
7	5	1				
8	5	1				
9	5	1				
10	5	1				
11	5	1				
12	5	1				
1	5	1				
2	5	1				
3	5	1				
4	5	1				
5	5	1				
6	5	1				
7	5	1				
8	5	1				
9	5	1				
10	5	1				
11	5	1				
12	5	1				

181
15.11.7

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. 10. E.	181	2° 58'	1° 34'	7° 18'	7° 11'	1° 0	0° 32'	83° 33'	84° 58'

Ship George from Salem towards Calcutta.

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1						Friday Nov 16 th
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
Y. 11. 6.	110	1° 48	21	7° 23'	7° 20'	None	0° 22	84° 55	85° 20'

1.1.114
112
1.1.224

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
						One Tuesday Nov. 17th.
1	6					
2	6					
3	6					
4	6					
5	6					
6	6					
7	6					
8	6					
9	6					
10	6					
11	6					
12	6					
1	6					
2	6					
3	6					
4	6					
5	6					
6	6					
7	6					
8	6					
9	6					
10	6					
11	6					
12	6					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. H. C.	101	2° 23'	0° 27'	4° 53'	4° 06'	None	0° 27'	85° 24'	87° 01'

151
15075

Ship *Large* from *Salem* towards *Calcutta*

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. 11. 6.	70'	1° 20'	0.48	5° 26'	5° 26'			87° 26'	correct

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	2	1	N. 11. 6.	38. V. W.		
2	3	1				
3	2	1				
4	1	1				
5	1					
6	1					
7	1					
8	2					
9	2	1				
10	2					
11	3					
12	3					
1	3					
2	4					
3	4					
4	3	1				
5	3					
6	3					
7	3					
8	2	1				
9	4	1				
10	4	1				
11	4	1				
12	4	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. 11. 6.	70'	1° 18'	0.48	5° 24'	5° 24'	Same	Same	87° 24'	

73
13.540

Ship George from *Paterson* towards *Calcutta*

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	4	1	North	SE		Ship out at 10 AM
2	1	1				
3	1	1				
4	1	1				
5	1	1				
6	5	1				At 10 PM
7	1	1				
8	1	1				
9	1	1				
10	1	1				
11	5	1				
12	5	1				
1	1	1				
2	1	1				
3	1	1				
4	1	1	North	SE		At 10 AM
5	1	1				
6	1	1				
7	8	1				
8	1	1				
9	6	1				
10	1	1				
11	8	1				
12	1	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N. 46	125	2° 05'	1°	0° 21'	0° 21'	2°	3° 35'	88° 35'	

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	1	1	North	SE		
2	1	1				
3	1	1				
4	1	1				
5	1	1				
6	1	1				
7	1	1				
8	1	1				
9	1	1				
10	1	1				
11	1	1				
12	1	1				
1	1	1				
2	1	1				
3	1	1				
4	1	1				
5	1	1				
6	1	1				
7	1	1				
8	1	1				
9	1	1				
10	1	1				
11	1	1				
12	1	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N. 86	177	2° 57'	0° 26'	3° 18'	3° 17'	2°	0° 26'	88° 01'	

Ship <i>George</i> from <i>Sabine</i> towards <i>Calcutta</i>										
H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks. <i>On Sunday 8th 20th</i>				
1						<i>Light winds and pleasant weather</i>				
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
1						<i>Light winds and pleasant weather</i>				
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.	
<i>N. 5. E.</i>	<i>84'</i>	<i>1° 26'</i>	<i>0° 1'</i>	<i>11° 40'</i>	<i>11° 40'</i>	<i>2° 0'</i>	<i>0° 21'</i>	<i>87° 38'</i>		

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks. <i>On Monday Nov 23^d</i>				
1			<i>N. W. by W 5 W</i>			<i>Through out these 24 hours light winds and pleasant weather.</i>				
2										
3										
4										
5										
6			<i>N. N. W</i>							
7										
8			<i>N. W. by W 5 W</i>							
9										
10			<i>N. N. W</i>							
11			<i>N. 6.</i>							
12			<i>N. 6. E. 1/2 N</i>							
1			<i>N. E. by E</i>			<i>Saw Red Ship occasionally</i>				
2										
3										
4			<i>N. 6. by E 1/2 E</i>							
5										
6										
7			<i>E. by N 1/2 N</i>							
8										
9										
10			<i>N. W. by W</i>							
11										
12			<i>N. W. by W</i>							
Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.	
<i>N. 19. W</i>	<i>140</i>	<i>0° 37'</i>	<i>13</i>	<i>5° 10'</i>	<i>5° 02'</i>	<i>2° 0'</i>	<i>0° 18'</i>	<i>87° 35'</i>		

Ship George from Salem towards Calcutta

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	3		N.W. by W			On Tuesday Nov 24th. Throughout these 24 hours Light Air and warm pleasant Weather? At 4 P.M. tacked ship to Eastward. At 10 P.M. tacked ship to Westward. At 4 A.M. tacked ship to Eastward. Long by Chron 87° 28' 00"
2	2	1				
3	2	1				
4	2	1				
5	2	1	N.E. by E			
6	2	1				
7	2		E. N. E.			
8	2					
9	1					
10	3		N.W. by W			
11	2					
12	3					
1	3		N.W. by W			On Wednesday Nov 25th. Throughout these 24 hours Light Breeze winds and pleasant Weather. At 4 P.M. tacked ship to Westward. At 8 A.M. tacked ship to Eastward. At 12 M. tacked ship to Westward. Long by Chron 88° 30' 45"
2	2	1				
3	3	1	N.W. by W			
4	2					
5	2		N.E. by E			
6	1	1				
7	1	1				
8	1		N.E. by E			
9	1					
10	1					
11	1		N.E. by W			
12	1					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N. 11. W	32'	0° 31' North	0° 6' East	5° 33' North	5° 39' North	2° East	0° 06' West	87° 49' East	

14.015
50
14.065

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	1	1	N. by E			On Wednesday Nov 25th. Throughout these 24 hours Light Breeze winds and pleasant Weather. At 4 P.M. tacked ship to Westward. At 8 A.M. tacked ship to Eastward. At 12 M. tacked ship to Westward. Long by Chron 88° 30' 45"
2	1	1				
3	2					
4	1					
5	2		N.W.			
6	2	1				
7	3					
8	3					
9	4		N.W. by W			
10	2					
11	2	1	N.W.			
12	2					
1	2		N.W. by W			On Thursday Nov 26th. Throughout these 24 hours Light Breeze winds and pleasant Weather. At 4 P.M. tacked ship to Westward. At 8 A.M. tacked ship to Eastward. At 12 M. tacked ship to Westward. Long by Chron 88° 30' 45"
2	2					
3	2					
4	2					
5	2		N.W. by W			
6	2	1				
7	3	1	N.W.			
8	2					
9	1	1	E. by N. 1/2 W			
10	3	1				
11	4		East.			
12	4					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N. 7° W	34'	0° 34' North	0° 4' West	6° 13' North	6° 27' North	2° East	0° 04' West	87° 45' East	

08
14.128

Ship George from Salina towards Calcutta

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	4		N. by W. 1/2 W.	N. E.		Begins with fine breezes and and pleasant weather?
2	4					
3	4	1	North.	E. N. E.		
4	4	1				
5	4		N. by W.			
6	4					
7	5	1	N. 1/2 W.			From 6 to 8 squally appearances took in Royals and top gal. sail. Fly jib. and hauled up mainsail
8	5					
9	7		N. by E. 1/2 E.			
10	6					
11	2					At 12 set top gal. sails. and mainsail.
12	1					
1	4		N. 1/2 W.			Latter part fine breezes and pleasant. set the Royals.
2	5	1				
3	5	1	North.			
4	5					
5	5		N. 1/2 W.			
6	5					
7	5		N. by W. 1/2 W.	N. E. by E.		Ends pleasant. Long. by Chron. 88° 32' 55" East
8	5					
9	5		N. W. by N.			
10	5					
11	5		N. W. by N. 1/2 W.			
12	5					

111.123
111
74234

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. 1/2 W.	109	1° 1/2 8	0° 12	8° 15'	8° 35'	2° 5	0° 12	87° 33'	
		North	West	North	North	East	West	East	

Ship George from Salina towards Calcutta

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	6		N. N. W.			Begins with fine breezes and pleasant.
2	6					
3	6		N. W. 1/2 W.			
4	6	1				
5	5	1	N. W. 1/2 N. W.			Middle part strong breezes and pleasant at 12 took in the Royals.
6	5	1				
7	5	1	N. by W.			
8	5					
9	5					At 4 set the Royals.
10	6					
11	6	1				Latter part stiff breezes and a head sea, took in the Royals.
12	5					
1	6	1	N. by W. 1/2 W.			
2	5	1				
3	5	1				
4	5					
5	5	1	N. by W.			Ends pleasant.
6	5					
7	6					
8	6					
9	5	1	N. 1/2 W.			
10	5	1				
11	5	1	North.			
12	5	1				

135
1369

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. 13° W.	133	2° 10	0° 29	10° 14'	10° 27'	2°	0° 29	87° 04'	
		North	West	North	North	East	West	East	

Ship George from Salem towards Calcutta.

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.	In Saturday Nov 28 th				
1	5	1	North.			Commenced with stiff breezes and pleasant weather.					
2	3	1									
3	3	1	N. by E.								
4	3	1									
5	5	1	N. by W.			Middle part the same					
6	3	1									
7	0	1	E. by S.								
8	3	1									
9	3	1	N. by E.			Latter part breezes and pleasant and the Royal was flying J. H.					
10	3	1									
11	0	1	N. by E.								
12	4	1									
1	7	1				At 6 P. M. tacked ship to East. At 11 tacked ship to N. and at 6 a.m. do to Eastward At 8 a.m. do to Northward					
2	11	1									
3	11	1	North.								
4	11	1									
5	2	1									
6	2	1	N. N. E.								
7	5	1	E. by S.								
8	4	1									
9	5	1	N. E. by S.								
10	6	1									
11	5	1	N. by E.								
12	4	1									
Course.		Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.	
N. by E.		72'	1° 28'	0° 24'	11° 55'	11° 47'	2° 00'	0° 23'	87° 29'		14.369
			North.	East.	North.	North.	East.	East.	East.		116
											14485

14.369
116
14485

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.	In Sunday Nov 29 th 110 days.				
1	5	1	North.			Begins with fine breezes and occasional squalls.					
2	5	1									
3	4	1									
4	4	1									
5	11	1	N. by E.			Middle light & flying winds and pleasant at 12 tacked ship to the Eastward at 1 P. M. Northward.					
6	5	1									
7	3	1	North.								
8	2	1									
9	3	1	N. by E.			Latter part the same					
10	4	1									
11	5	1	N. by E.								
12	2	1									
1	1	1	E. by S.			Ends fine breezes and pleasant.					
2	2	1	N. N. E.								
3	3	1									
4	2	1									
5	2	1	N. N. E.								
6	3	1									
7	4	1									
8	4	1									
9	5	1									
10	6	1	North.								
11	6	1									
12	6	1	N. by E.								
Course.		Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.	
N. N. E.		90'	1° 29'	0° 7'	13° 16'	13° 29'	2° 00'	0° 7'	87° 36'		2.3
			North.	East.	North.	North.	East.	East.	East.		74578

Ship George from Salina towards Calcutta

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	6		N. N. E.	5.		Commenced with fine breeze and pleasant weather.
2	7	1				
3	6					
4	4	1				
5	4		N. N. E.	4.		Middle part fine breeze and squally, attended with sharp lightning. Took in R. and S. sails. Lett in j. sails.
6	6					
7	6					
8	7	1				
9	7	1	N. N. E.	5.		Latter part fine breeze and pleasant set for wind.
10	7	1				
11	7	1				
12	7	1				
1	6		N. N. E.	4.		Major part of sails set. Wind main.
2	6					
3	6	1				
4	6	1				
5	6		N. N. E.	4.		P. breeze.
6	6					
7	7	1				
8	7	1				
9	6					T. breeze pleasant.
10	6					
11	6	1				
12	6	1				

114.578
153
14.731

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. N. E.	152'	2° 27'	33'	15° 56'	16° 01'	2° 00'	2° 40'	88° 11'	
				North.	North.	East.	East.	East.	

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	7	1	N. N. E.			Throughout there - 2.4 hours fine breeze and pleasant.
2	6					
3	7	1				
4	6	1				
5	4		North.			From 8 to 10 all hands employed in getting the anchors over and boarding the cables.
6	5					
7	5		N. by E.			
8	5	1				
9	4		N. by E.			
10	4					
11	4		N. N. E.			
12	4					
1	3		N. by E.			
2	3					
3	3					
4	3	1				
5	3		N. N. W.			
6	3	1				
7	4					
8	4					
9	5		N. N. W.			
10	6					
11	6					
12	6					

114
14.845

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. N. E.	106'	1° 46'	0° 6'	17° 59'	18° 12'	2° 00'	0° 00'	88° 10'	
		North.	West.	North.	North.	East.	West.	East.	

Ship George from Salem towards Calcutta

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	6		N. N. W.			
2	6					
3	6		N. N. by E.			
4	6					Throughout these 24 hours
5	6	1	S. by E. 6 1/2			fine breeze and pleasant.
6	6	1				
7	6		S. S. W.			
8	6					
9	0		S. E. by S. 6			
10	5					At 4 P.M. lashed ship to sail.
11	5					at 8 A.M. do do to North.
12	5					at 12 m. do do to East;
1	5		S. S. E.			
2	6					
3	5	1	S. by E. 6			
4	6					
5	6					
6	5	1				
7	8		S. by E.			
8	2	1	N. N. W.			
9	6		NW 1/2 W			
10	6					
11	6		N. N. by E.			
12	6					

Variable

Throughout these 24 hours fine breeze and pleasant.

At 4 P.M. lashed ship to sail.
at 8 A.M. do do to North.
at 12 m. do do to East;

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N. 78. E.	61'	0° 13'	0° 57'	18° 25'	18° 15'	2° 00'	1° 02'	89° 12'	
		North.	East.	North.	North.	East.	East.		

141345
157
15922

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	5		S. by N.			
2	5					
3	5					Begins with fine breezes and
4	5					pleasant.
5	5		N. N. E. 2 1/4			
6	5					Middle part light winds
7	0		N. N. E.			and pleasant.
8	5					
9	4					
10	5					At 4 P.M. lashed ship to sail.
11	5					at 12 P.M. do do to East
12	2	1	N. N. E. 1/2 E.			at 8 A.M. do do to N. N.
1	2	1	S. by N.			
2	4	1				
3	5		S. N. E.			Ends fine breezes and pleasant
4	5					with a head sea.
5	5					
6	6					
7	7	1				
8	5		N. N. E.			
9	4		N. N. by E.			
10	5	1				
11	5					
12	4	1	N. N. E.			

Variable

Begins with fine breezes and pleasant.

Middle part light winds and pleasant.

At 4 P.M. lashed ship to sail.
at 12 P.M. do do to East
at 8 A.M. do do to N. N.

Ends fine breezes and pleasant with a head sea.

Long. by Ob. 88° 08' East; to moon

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N. 16. E.	56'	0° 54'	0° 45'	19° 09'	18° 55'	2° 00'	0° 16'	87° 28'	

108
15987

Ship *George* from *Satony* towards *Catcutta*

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	0	1	N.W. 2 W			
2	0					
3	0	1				
4	0					
5	0	1	E. by S.			
6	0	1				
7	0	1	E. by N.			
8	0	1				
9	0	1	E. by S.			
10	0	1				
11	0	1	E. by S.			
12	0	1				
1	0	1	N.W. 2 W			
2	4	1				
3	4	1				
4	4	1				
5	3	1				
6	5	1				
7	5	1				
8	5	1				
9	5	1				
10	5	1				
11	6	1	N.W. 2 W			
12	6	1				

15.087
124
15.211

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. 10 E.	63'	1° 02'	5° 11'	17° 57'	17° 49'	2° 00'	2° 12'	89° 16'	87° 57'
		North	West	North	North	East	West	East	by Sun.

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	7		N.W. 2 W			
2	0					
3	4		E. by S. 2 S.			
4	5	1				
5	5	1	E. S. E.			
6	5	1				
7	5	1				
8	6	1				
9	6					
10	6		E. by S.			
11	6		E. by N.			
12	6					
1	6					
2	6					
3	6					
4	5					
5	5	1				
6	5	1				
7	5	1	East.			
8	5	1				
9	6					
10	6	1	N.W. 2 W			
11	8		E. by S. 2 S.			
12	5					

1.81
15.312

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. 87 E.	86'	0° 04'	86'	17° 51'	17° 51'	2° 00'	1° 31'	90° 47'	89° 22'
		North	East	North	North	East	East	East	

Ship George from Salem towards Calcutta

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	5	1	cut V.L.			
2		1				
3						
4						throughout these 24 hours
5						fine breezes and pleasant
6						
7						
8						
9						at 7 P.M. took a ship to
10						Westward.
11						at 11 A.M. took a ship to
12						South Eastward
1						at 4 P.M. took a ship to
2						South Westward.
3						
4						
5						
6						
7						
8						
9						
10		1				
11	6					
12	1	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N. 28. W.	57'	51'	28'	20° 40'	20° 41'	2° 00'	23'	71° 15'	71° 50'
				South	North	East	East	East	East

15. 342
115
15. 457

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	5	1	N. 1/2 E. S.W. by E.			At 2 P.M. sounded down 90 fathoms.
2	5	1				Monday, Calcutta.
3	5	1				
4						At 5 P.M. 80 fathoms.
5	2	1				At 8 P.M. 40 and 50 - came too with
6	1					ridges. At 12, midnight weighed
7						the ridges and made sail.
8						
9						At 1 A.M. sounded down 80 fathoms
10						At 2 A.M. took ship to S. & Westward.
11						At 3 A.M. sounded down 115 fathoms
12						At 4 came too with ridges. At 7 A.M. made
1	14	1	S. by E. North			Sail. Saw a ship bearing N. by E. The Lady Jane
2	4	1				At 9 A.M. saw the Pilot vessel bearing West
3	4	1				At 11 A.M. took a Pilot (Mr. Lockhart
4	2					and a Seaman, in the edge of night
5						passed at Meridian, 9 fathoms
6						At 1 P.M. ship in the 10 fms. in sight
7						
8	6					
9	6					
10	6					
11	4					
12	5					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N. 56. W.	34'	0° 17'	28'	21° 00'	21° 01'	2° 00'	0° 30'	70° 45'	89° 20'
		North	West	North	North	East	West	East	East

2 Days.

Ship George from Calcutta towards Salem

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1						Commenced with fine breezes
2						and pleasant.
3						
4						
5						At 1 P.M. discharged the
6	5		S. S. E.	S. W.		Pilot and Loadman arrived
7	4	1				being on board 5 days. The buoy
8	4	1				bore S. W. 1/2 N. distant 3 miles
9	4		S. S. E.	S. W.		
10	4					
11	4					At 5.30 P.M. the Floating Light
12	4					Buoy, bore West dist. 2 miles
1	5		S. S. E.			in the Lat. of 21° 02' North. and
2	5					the Long. of 88° 25' East. from
3	4		S. E. by S.	S. W. by S.		which I take my departure.
4	4					
5	4		S. S. E.	Sou		
6	4					
7	4					
8	4					
9	4					
10	4					Long. by Chron. 89° 07' 15" East.
11	4					
12	4		S. E. by S.			

Dist. by
Log.

80 m

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 25. E.	79.	1° 12'	33'	19° 50'	19° 26'	2° 04'	36'	88° 57'	
		South.	East.	North.	North.	East.	East.	East.	

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
----	----	-------	----------	--------	------	----------

1	5		S. E. by S.	S. W. by S.		Commenced with fine breezes and
2	5	1				pleasant.
3	5					
4	5	1				
5	4		S. S. E.	S. W.		
6	4	1				Middle and latter part the
7	3					Sails.
8	2					
9	2		S. E. by S.	S. W. by S.		
10	2	1				
11	3					
12	3					
1	2	1				
2	2	1				
3	2	1				The water employed in unbanding
4	2	1				Cables and stowing the anchors.
5	3					
6	3					
7	3					Ends pleasant.
8	3		S. S. E. by E.			
9	2		S. E. by S.			
10	2					Long. by Chron. 90° 19' East.
11	2					
12	2					

75

1.55

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 28. E.	74	1° 05'	36'	18° 21'	18° 35'	2° 00'	0° 38'	89° 27'	
		South.	East.	North.	North.	East.	East.	East.	

4 days.

Ship George from Calcutta towards Salem.

H. K. H.K. Courses. Winds. Lee. Remarks. On Friday February 17th.

1	2		S. by E. 1/2 E.			
2	2					
3	2		S. 1/2 W.			
4	2					
5	2	1	S. 1/2 E.			
6	3					
7	3					
8	3	1				
9	2	1	S. 1/2 W.			
10	2	1				
11	3					
12	3					
1	4		S. 1/2 E.			
2	4					
3	4		S. 1/2 W.			
4	4					
5	3		S. 1/2 W.			
6	2					
7	1	1	S. S. E.			
8	2	1				
9	3		S. E. 1/2 S.			
10	4					
11	4		S. W. 1/2 W.			
12	4					

Throughout these 24 hours
Light air and pleasant

At 10 A. M. tacked ship
to Southward and Westward.

Long. by Chron. 90° 22' East.

155
71
226

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 3° W.	66'	1° 06'	4'	17° 27'	17° 20'	2°	0° 14'	89° 25'	
		South	West	North	North	East	West	East	

H. K. H.K. Courses. Winds. Lee. Remarks. On Saturday Feb. 20th. 1830

1	3	1	S. 1/2 W.	S. E.		
2	3	1				
3	2					
4	2			S. W.		
5	1	1	W. by S.			
6	Calcut					
7	1	1	S. 1/2 E.			
8	1	1				
9	2	1	S. A. 1/2 W.			
10	3	1				
11	4	1	S. S. W.	W. by N.		
12	4	1				
1	4	1				
2	5					
3	5	1				
4	3			N. by E.		
5	2	1				
6	1	1				
7	2	1				
8	2	1				
9	2	1				
10	2	1				
11	2					
12	2					

Commences with Light Air
and pleasant weather.
At 6 P. M. tacked ship to
Southward and Eastward.

At 12 P. M. set Starboard sheet,
sails and the main, topboard
main top and top gal flail sails.

Later part Light winds and
pleasant set Starboard sheeting
sails, and took in Starboard.

Long. 89° 42' 45" East

86
292

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 23° W.	63'	0° 56'	29	16° 24'	16° 23'	2° 00'	0° 30'	88° 55'	
		South	West	North	North	East	West	East	

6 Days.

Ship <i>Georg</i> from <i>Coleville</i> towards <i>Salmon</i>										
H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks. <i>Sunday Feb 21st.</i>				
1	2	1	<i>a. d. n.</i>	<i>back</i>		<i>Thursd. 11th 24 hours fine breeze and pleasant weather.</i>				
2	2	1								
3	2	1								
4	2	1								
5	2	1								
6	2	1								
7	2	1								
8	2	1								
9	2	1								
10	2	1								
11	2	1								
12	2	1								
1	2	1				<i>Leg 9. by Chron 88° 58' East.</i>				
2	2	1								
3	2	1								
4	2	1								
5	2	1								
6	2	1								
7	2	1								
8	2	1								
9	2	1								
10	2	1								
11	2	1								
12	2	1								
Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.	
<i>S. 24. W.</i>	<i>160</i>	<i>1° 30'</i>	<i>48</i>	<i>14° 47'</i>	<i>14° 57'</i>	<i>2° 00'</i>	<i>0° 15'</i>	<i>88° 10'</i>		

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks. <i>Mon. Feb 22nd.</i>				
1	5	1	<i>S. by W.</i>	<i>N. N. E.</i>		<i>Commenced with light winds and pleasant weather.</i>				
2	5	1								
3	5	1								
4	5	1								
5	5	1								
6	5	1								
7	5	1								
8	5	1								
9	5	1								
10	5	1								
11	5	1								
12	5	1								
1	5	1				<i>Middle part the same</i>				
2	5	1								
3	5	1								
4	5	1								
5	5	1								
6	5	1								
7	5	1								
8	5	1								
9	5	1								
10	5	1								
11	5	1								
12	5	1								
1	5	1				<i>Latter part fine breezes and pleasant.</i>				
2	5	1								
3	5	1								
4	5	1								
5	6	1								
6	6	1								
7	6	1								
8	7	1								
9	6	1								
10	7	1								
11	7	1								
12	6	1								
						<i>This morn. an Emblem of the Character of a man whom we all Revere. The Immortal Washington</i>				
						<i>Long. by Chron 88° 09 East.</i>				
Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.	
<i>S. 13. W.</i>	<i>138</i>	<i>2° 15'</i>	<i>31</i>	<i>12° 44'</i>	<i>12° 56'</i>	<i>2°</i>	<i>0° 32'</i>	<i>87° 38'</i>		

292
105
577

138
535

8 days.

Ship George from Calcutta towards Salem.

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	7		S. by W.	N. E.		Throughout these 24 hours fine breezes and pleasant weather, all drawing sail set to the fair wind.
2	7					
3	6	1				
4	6	1				
5	6					
6	5	1				
7	5	1				
8	5	1				
9	5	1				
10	6					
11	5	1				
12	5	1				
1	5					Long. by Chron 87° 39 East
2	5					
3	5					
4	5					
5	5					
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					

535
132
667

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 13. 18.	162	2° 38' South	30' West	10° 48' North	10° 48' North	2° 00' East	0° 30' West	87° 08' East	

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	0		South	North		Throughout these 24 hours fine Breezes and pleasant. All sail set to the fair Wind.
2	4	1.				
3	5					
4	4	1				
5	4	1				
6	4	1				
7	5					
8	5					
9	4					
10	4					
11	3	1				
12	3	1				
1	3	1				Long. by Chron. 87° 26 East.
2	3	1				
3	3	1				
4	3	1				
5	3	1				
6	3	1				
7	4	1				
8	5	1				
9	6	1				
10	7					
11	8					
12	7					

112
779

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 2. W	112	1° 52' South	4' West	8° 58' North	8° 40' North	2° 00' East	0° 4' West	87° 04' East	

10 days,

Ship George from Calcutta towards Salem										
H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks. On Thursday Feb. 25th.				
1	7		South	N.E.		The fine Wind and Weather still continues. All stud. sails set below and aloft. Forward and Aft. Long. by Chron 87°12 East.				
2	7									
3	7									
4	7									
5	7									
6	7									
7	6	1								
8	6	1								
9	7									
10	6	1								
11	8									
12	6									
1	6	1								
2	5									
3	5	1								
4	5									
5	5									
6	5									
7	5									
8	5									
9	4	1								
10	4									
11	4	1								
12	4									
Course.		Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 2° N.		140	2° 19'	5'	6° 22'	6° 18'	2° 00'	0° 05'	86° 59'	
			South	West	North	North	East	West	East	

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks. On Friday Feb. 26th. 1830				
1	4		South.	N.N.W.		Begins with light winds and pleasant, at 6 P.M. hauled in Starboard shuddingsails. Middle part fine breezes and cloudy bett Starboard stud sails again. Latter part fine breezes and pleasant. Long. by Chron. 86° 55' 30"				
2	4									
3	4									
4	4									
5	4									
6	4									
7	4									
8	4									
9	4	1								
10	4	1								
11	5									
12	5									
1	5	1		N.N.W.						
2	6									
3	6									
4	5	1								
5	5									
6	5									
7	5									
8	5									
9	5	1								
10	6									
11	6									
12	5	1								
Course.		Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 2° W.		117	1° 57'	4'	4° 21'	4° 12'	2° 00'	1° 41'	86° 55'	
			South	West	North	North	East	West	East	

779
140
919

117
1036

Ship George from Calcutta towards Salem

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	5		South.	N.W.		Common sea with light winds and pleasant.
2	5					
3	4	1				
4	4	1				
5	4	1		to.		
6	4	1				
7	4	1		N. E.		
8	4	1				
9	4					
10	4					
11	11					
12	3	1				
1	4					Middle part wind hauled took in Starboard Studd. Sails.
2	4					
3	5					
4	6			N.W.		
5	6					
6	6					
7	6					
8	6					
9	6					
10	6					
11	6					
12	7					

12 miles Eastward of the 1st part
24 hours.

Long by Chron. $87^{\circ}05'$ East.

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 2° W.	120	$2^{\circ}00'$ South	$4'$ West	$2^{\circ}12'$ North	$2^{\circ}00'$ North	$2^{\circ}00'$ East	4 miles	$86^{\circ}51'$ East	

1036
120
1156

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	7		South.	N.W.		Begins with fine breezes and pleasant weather.
2	7					
3	7					
4	7					
5	7					
6	7					
7	7					
8	7					
9	7					
10	7					
11	7					
12	7					
1	7					Middle part the same.
2	6	1				
3	7					
4	7					
5	6					
6	5	1				
7	6					
8	5	1				
9	6					
10	6					
11	6					
12	6					

to

North

Long. by Chron.

Lat. by Obs. — $0^{\circ}25'$ South?

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 1° W.	161	$2^{\circ}41'$ South	$3'$ West	$0^{\circ}141'$ South	$0^{\circ}25'$ South	$1^{\circ}00'$ East	$0^{\circ}03'$ West	$86^{\circ}48'$ East	

161
1317

14 days

Ship George from Calcutta towards Salem,

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks. On Monday March 1st.
1	7		S. by W.	N. N. W.		Commences with strong breezes and pleasant
2	7					
3	7					
4	7					
5	7	1				
6	8			to		Middle and latter part squally made and took in sail as required
7	8					
8	8					
9	8					
10	8					
11	8		W. N. W.			Rain for the first time these 3 1/2 months.
12	8					
1	8					
2	8					
3	8					
4	8					Ends pleasant.
5	8					
6	7					
7	6					
8	6	1				
9	7					Loc. by Chron 86° 45' East.
10	7	1				
11	7	1				
12	7					

1317
182
1499

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 11. W.	182	2° 57'	35'	3° 24'	3° 16'	None	0° 35'	86° 13'	
		South	West	South	South		West	East	

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks. On Tuesday March 2nd.
1	7	1	S. by W.	W. N. W.		Begins with strong breezes and squally appearances. From 4 to 6 Hard squalls of wind and Rain. taken in Royals and top gal sails from 6 to 8 single double reefed the topsails, and furled jib.
2	7	1				
3	7	1				
4	7	1				
5	7	1				
6	5		South.	West.		At 12 P.M. took one reef out topsails and set main top gal sail and set the jib.
7	5					
8	3	1				
9	5					
10	5					
11	5		S. by W.			Latter part squally at times
12	5					
1	6					
2	6	1				
3	6					
4	6	1				Ends with strong breezes and squally appearances.
5	6	1				
6	6	1				
7	6	1				
8	6	1				
9	7	1				
10	7	1				
11	8					
12	8					

152
7851

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 12. W.	152	2° 27'	30'	5° 45'	5° 47'	None	1° 30'	85° 43'	
		South	West	South	South		West	East	

16. days.

Ship George from Calcutta towards Salem.

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	8	1	S. by W.	West.		Throughout these 24 hours strong breezes attended with heavy squalls. took in and made sails as required.
2	8					
3	8					
4	8	1				
5	8					
6	8					
7	8					
8	8					
9	8					
10	8					
11	8					
12	8					
1	7	1				H. B. at 6 P.M. sent down fore and mizen Royal yards.
2	7	1				
3	7	1				
4	7	1				
5	6					
6	6	1				
7	6	1				
8	7					
9	7					
10	8					
11	8					
12	8					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 7° W.	134	3° 01' South	27'	8° 55' South	8° 45' South	2° 00' West	1° 27' West	85° 14' East	

1651
184
1835

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	7	1	S. by W.	West.		Begins with strong breezes and large head beating sea.
2	7					
3	7	1				
4	7					
5	6	1				
6	7					Middle part strong wind took in main top gal sail. and double reef fore top sail. and sent down main Royal yard
7	7					
8	7					
9	7		S. 1/2 W.			
10	6					
11	7					Latter part main top the same and with strong winds and a tremendous sea.
12	7					
1	6		S. by W.			
2	6					
3	6					
4	6					
5	6					
6	6					
7	6					
8	6					
9	6	1				
10	6	1				
11	6	1				
12	6	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 8° W.	157	2° 35' South	22'	11° 20' South	11° 17' South	2° 00' West	0° 22' West	84° 52' East	

157
1972

18. days

Ship George from Valentia towards Salem.

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	6		S. S. W	W. by N		
2	6					Begins with stiff breezes and
3	6					a large sea.
4	6					From 4 to 6 six double reefed
5	5					the topsails.
6	5					From 6 to 8 kept the main sail
7	5					and took in the jib.
8	5					at 12 close reef the topsails
9	5					at 4 P. M. kept the foresail.
10	5					at 8 A. M. sent down fore
11	5					and main top gail yards.
12	5					at 12 M. furled the stream sail
1	5					and sent the main topsail.
2	5					ended with strong gales and
3	5					a very high sea.
4	5					
5	5					
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 20 W	122	1° 54'	41	13° 11'	13° 22'	2° 00'	0° 42'	84° 10'	
		South	West	South	South	West	West	East	

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	4		S. S. W by S	W. N. W		
2	3					Begins with strong breezes and
3	4					a large sea, at 4 set main sail
4	4					
5	5					Middle part more moderate
6	5					with occasional squalls.
7	4					
8	3					
9	4		S. S. W by W			Latter part moderates shook
10	4					reefs out Foresail and main sail
11	4					and one reef out topsails. Set jib
12	4					and spanker.
1	5		S. W. by S			at 12 m. shook another
2	5					reef out main topsails.
3	5					Ended with stiff breezes and
4	5					and a rough sea.
5	4					
6	4					
7	4					
8	4					
9	4		S. W. by W			Long. by Chron 84° 32' 30" East.
10	4					
11	5					
12	5					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 25. W	106	1° 36'	45	14° 58'	15° 04'	3° 00'	0° 47'	83° 23'	
		South	West	South	South	West	West	East	

122
120
22

106
2221

Ship George from Calcutta towards Salem.

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1						
2						Commences with stiff breezes and
3						a large sea.
4						
5						
6						Middle part strong breezes and
7						pleasant.
8						
9						
10						Latter part strong breezes and
11						pleasant.
12						
1						
2						
3						
4						
5						
6						Ends fine breezes and
7						pleasant.
8						
9						
10						
11						
12						

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 34. W.	90'	1° 12'	57'	16° 16'	16° 33'	4° 00'	1° 01'	82° 32'	
		South	West	South	South	West	West		

2221
01
2372

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	7		S. 34. W.	N. W.		Begin with fine breezes and
2	7					pleasant.
3	7					
4	7					
5	7					Middle part strong breezes and
6	7					a large sea, from 6 to 8 took in top
7	7					gal. sails, at 8 double reef the topsail.
8	7					
9	4		S. W. 1/2 S			
10	14					
11	3					From 10 to 11 Battering winds and calms.
12	3					at 2 wind hauls to South. d and East. d
1	1		S. W. by S			Braced round yards, and shook one
2	1					reef out topsails and set top gal sails
3	1					
4	2					
5	2					
6	3		S. W. by W			Latter part strong Trades
7	3					and heavy squalls of Rain.
8	4					
9	7		W. S. W	S. S. E		
10	8					
11	8					
12	8					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 42. W.	129	1° 16'	1° 32'	17° 49'	18° 00'	5° 00'	1° 38'	80° 45'	
		South	West	South		West	West	East	

121
2433

22 days.

Ship George from Calcutta towards Salem,

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks. Tuesday March 9th
1	8	1	W. S. W.	S. E.		Commences with strong breeze and passing squalls. Middle part The same. Latter part Fine Trades and pleasant. Shook reef out topsail and sent up main top gal. yard. Ends. Fine breeze and pleasant.
2	7					
3	8	1				
4	8	1				
5	8	1				
6	8	1				
7	8	1				
8	8					
9	8	1				
10	8	1				
11	8	1	W. by S.	S.		
12	8					
1	8					
2	8	1				
3	8	1				
4	8	1				
5	8					
6	8					
7	8	1				
8	8	1				
9	7	1				
10	7	1				
11	7	1				
12	7	1				

2433
128
2631

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 62° W	198	1° 33'	174'	19° 18'	19° 24'	6° 00'	3° 03'	77° 43'	

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks. On Wednesday March 10th.
1	7	1	W. by S.	S. E.		Begins with fine breezes and pleasant. Set fore top mast and Larboard Lower stee. sail. From 7 P. M. to 11 had a view of the total. Eclips. of the moon. Middle part The same Set Larboard top. gal. and main top mast stee. sails.
2	8					
3	7	1				
4	8					
5	8					
6	8					
7	7	1				
8	7	1				
9	7					
10	6					
11	6		W. by S.	S. E.		Latter part Fine Trades and pleasant. Sent up main Royal yard. Var. per Mar. Azimuth 4° 50' West
12	6	1				
1	7					
2	7					
3	7					
4	7	1				
5	7	1				
6	7					
7	7					
8	7					
9	7					
10	7					
11	7					
12	7					

173
2804

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N 73° W	173	1° 57'	245'	20° 14'	20° 12'	6° 00'	2° 55'	74° 47'	

24 days.

Ship George from Calcutta towards Salem.

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	7		W. by S.	E. S. E.		Thursday March 11th
2	7					
3	6	1				
4	6	1				
5	6					Throughout these 24 hours
6	7	1				fine Trades and pleasant.
7	7	1				
8	7					
9	6					
10	7					
11	7					From 8 to 10 set starboard studd
12	7					sails, and sent up fore Royal
1	7	1				yard.
2	7	1				
3	7	1				
4	7	1				
5	7		East.	East.		
6	7					
7	1					
8	7					Long by Chron 72°48'45" East.
9	6	1				
10	6	1				
11	6	1				
12	6	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 73° W.	165	00.48'	157	21° 00'	21° 00'	6° 00'	2° 48'	71° 59'	
		West	South	West	South	West	West	East	

2804
166
2970

Friday March 12th

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	6	1	W. by S.	E. by S.		
2	7					
3	6	1				
4	7					
5	6	1				
6	6					Throughout these 24 hours
7	7	1				strong Trades and pleasant
8	8					Weather.
9	8	1				
10	8	1				
11	8	1				
12	8	1				
1	8	1				
2	9					Home! & Friends!
3	9					
4	8	1				
5	7	1				
6	7	1				
7	7	1				
8	7	1				
9	7	1				
10	8					
11	8					
12	8					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 72° W.	186	57'	257	21° 57'	21° 57'	7° 00'	3° 10'	68° 49'	
		South	West	South	South	West	West	East	

186
3156

Ship George from Calcutta towards Salerni

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	7	1	W. by S.	East		Throughout these 24 hours fine breezes and pleasant. at 4 P. M. Rigg'd a new Lower studd. sail boom having carried away the Old One.
2	7	1				
3	7	1				
4	7	1				
5	7	1				
6	7	1				
7	7	1				
8	7	1				
9	8	1				
10	8	1				
11	8	1				
12	8	1				
1	7	1	W. 1/2 S.			
2	8	1				
3	7	1				
4	8	1				
5	7	1				
6	8	1				
7	7	1				
8	8	1				
9	8	1				
10	7	1				
11	8	1				
12	7	1				

3156
185
3341

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 71° W.	185	1° 01'	174	23° 00'	22° 49'	9° 00'	3° 07'	65° 42'	
		South	West	South	South	West	West	East	

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	7	1	W. by S.			Throughout these 24 hours fine breezes and pleasant Trades. At 2 P. M. the foreboard main top mast stuck, sail & rigging parted, which carried away the boom and split the sail by going into the water. Rigg'd a new boom and set the sail.
2	8	1				
3	7	1				
4	8	1				
5	7	1				
6	7	1				
7	7	1				
8	6	1				
9	7	1				
10	6	1				
11	6	1				
12	7	1				
1	6	1				
2	7	1				
3	6	1				
4	7	1				
5	6	1				
6	6	1				
7	6	1				
8	7	1				
9	6	1				
10	6	1				
11	6	1				
12	6	1				

765
3506

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 67° W.	165	57'	2° 54'	23° 48'	23° 58'	10°	3° 08'	62° 54'	
		South	West	South	South	West	West	East	

Ship George from Calcutta towards Salem.

H. K. H.K. Courses. Winds. Lee. Remarks. Friday March 19th

1	4		N 1/2 S.	N. E.		Begin with squally appearance
2	5					
3	4			E. N. E.		At 6 P.M. saw a ship to windward
4	3					Hauling to the N. E. and West S. E.
5	2					Middle part light air and
6	2			E. by S		pleasant shook reefs out topsails
7	2					and set top gall sails
8	2					
9	2					
10	5					
11	5					
12	6					
1	5					Latter part squally appearance
2	6					sent up main top go Royal
3	5					yard, and set Fly jib.
4	6					
5	6					At 11 set starboard studd sails.
6	6					
7	6					
8	6					
9	6					
10	6					Long. by Chron 50° 00' 45" East,
11	6					
12	6					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 71° W	117	36'	111'	24° 05'	28° 08'	18° 00'	1° 58'	48° 57'	
		South.	N.	Lat.					

4174
111
4285

H. K. H.K. Courses. Winds. Lee. Remarks. Saturday March 20th. 1830.

1	7		N 1/2 S.	S. E.		Begin with fine breeze and
2	7					pleasant.
3	7					
4	7					At 3 P.M. squally appearance
5	8					ended with thunder and lightning
6	8					and 3 to 4 very heavy showers
7	2					fine rain.
8	2					
9	2					
10	2					
11	2					Middle part light air and
12	2					pleasant.
1	2					
2	2					
3	8					
4	2					Ends with fine breeze and
5	2		E. S. E.			pleasant,
6	2					
7	2					
8	2					
9	8					Long. by Chron 48° 28' 45"
10	8					
11	8					
12	8					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 71° W	207	1° 14'	176'	25° 48'	25° 41'	20° 00'	1° 25'	47° 32'	
		South.	N.	Lat.	Lat.			East	

80
4885

Ship George from Calcutta towards Salem.

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	7	1	W. by S.	East		Wednesday March 17th.
2	7	1				
3	7	1				with fine breezes and
4	7	1				through
5	7	1				
6	7	1				fine breeze
7	7	1				at 4 P. M. P. M. squally appearance
8	7	1				of sea, sent down fore
9	8	1				studd. sail
10	8	1				away the P. M. took in main Royal
11	8	1				sternsails. double
12	8	1				and main topsails
1	7	1	W. 1/2 S.			down main Royal
2	8	1				
3	7	1				best fine breezes and
4	8	1				set all studd. sails.
5	7	1				
6	8	1				
7	7	1				
8	8	1				
9	8	1				
10	7	1				
11	8	1				
12	7	1				

3156
185
3341

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 71° W.	185	1° 01'	174	23° 00'	22° 50'	16° 00'	3° 18'	53° 40'	
		South	West	South	South	West	W.	East	

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	7	1	W. by S.			Thursday March 18th.
2	8	1				
3	7	1				with fine breezes and
4	8	1				light weather
5	7	1				through
6	7	1				
7	7	1				breezes still past fine breezes and
8	6	1				
9	7	1				weather?
10	6	1				at
11	6	1				top in latter part. squally appearance
12	7	1				parted. M. saw a Bark to Southward
1	6	1				the B. ring to Eastward.
2	7	1				by 9 to a heavy squall took in all
3	6	1				of sails and top gal. sails and braces
4	7	1				the
5	6	1				the wind, took 1 reef in topsails.
6	6	1				Ends Cloudy.
7	6	1				
8	7	1				
9	6	1				
10	6	1				
11	6	1				
12	6	1				

765
3506

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 67° W.	165	59'	2° 34'	28° 20' 36"	00° 00'	17°	2° 45'	50° 55'	
		South	West	South		W.			

Ship George from Calcutta towards Salem.

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	4		West.			Begins with squally appearance
2	4					
3	3	1	W. 1/2 N.			At 6 P.M. saw a ship to windward
4	1	1				Hauling to the N. d. and West d.
5	4					Middle part light airs and
6	11					pleasant shook reefs out, topsails
7	5	1				and set top gall sails
8	5	1				
9	5	1				
10	5	1				
11	5	1				
12	5	1				
1	6					Latter part squally appearance
2	6	1				sent up main top & Royal
3	6	1				Yard, and set Fly jib.
4	7					
5	6	1				At 11 set starboard studd sails.
6	6					
7	5		W. S. W. N.			
8	2	1				
9	2		West.			
10	2					Long. by Chron 50° 00' 45" East.
11	2		W. 1/2 N.			
12	2	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 74° W.	150	31'	105	28° 05'	28° 08'	18° 00'	1° 58'	48° 57'	

4174
111
4285

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	6	1	W. 1/2 N.	N. by E		Begins with fine breeze and
2	6					pleasant.
3			Calms.			
4						At 3 P.M. squally appearance
5	1		W. 1/2 N.			attended with thunder and lightning
6	1					From 3 to 4 very heavy showers
7	1					of Rain.
8	2			N. N. E.		
9	3					
10	3					
11	2		S. S. W.			Middle part light airs and
12	2		W. 1/2 N.			pleasant.
1	3					
2	3					
3	4		West.	N. by W.		Ends with fine breeze and
4	4					pleasant.
5	4					
6	4					
7	4		W. 1/2 N.			
8	4					
9	5					Long. by Chron 48° 28' 45"
10	6					
11	6					
12	6					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 74° W.	78'	2° 22'	1° 15'	28° 30'	28° 41'	20° 00'	1° 25'	47° 52'	
		South.	West	South.	South	West.	W.	East	

80
4385

34 days.

Ship George from Calcutta towards Salem

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks. On Sunday March 21 st 1857
1	6	1	W. by N.	N. by W.		Fine breezes with passing squalls throughout these 24 hours.
2	6	1				
3	6	1				
4	6	1				
5	6	1				
6	6	1				
7	5	1				
8	6	1				At 6 A.M. saw a ship standing to the N. and W. she shew French Colours.
9	6	1				
10	7	1				
11	7	1				
12	7	1				At 1 P.M. took in main Royal and Fly Sails.
1	6	1				
2	6	1				
3	6	1				
4	6	1				
5	7	1				
6	5	1				
7	5	1				Sailing by Chron.
8	5	1				
9	5	1				
10	5	1	W. 1/2 N.			
11	5	1	W. by S.			
12	5	1				

4365
149
4514

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 78. W.	151'	32	147	29° 13'	29° 20'	21° 00'	2° 47'	44° 45'	
		S.	W.	S.	S.	W.	W.	East	

H. K. H. K. Courses. Winds. Lee. Remarks. Monday March 22nd 1857

1	4	1	S. W. 1/2 W	N. N. W		Commences with fine breezes and pleasant Weather.
2	4	1				
3	5					
4	5		S. W.			
5	4		S. W. 1/2 S.			
6	4					Throughout the Night light airs and passing squalls took in and made sail as Required.
7	3	1	N. by W.			
8	3					
9	2		N. N. W.			
10	1					
11	2		W. by S.	N. N. W.		At 6 P.M. tacked ship to N. and West. d.
12	3					
1	2	1	West.			
2	2	1				
3	2	1				
4	2	1				At 10 P.M. tacked ship to S. and West. d.
5	4	1	W. by N.			
6	4	1				
7	4	1				
8	4	1				
9	4	1	W. 1/2 S.			Latter part fine airs and pleasant.
10	4	1				
11	4	1	S. W. 1/2 W			
12	4	1				

85
4599

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 55. W.	70'	0° 42'	57'	30° 17'	30° 12'	23° W	1° 06'	43° 39'	
		S.	W.	S.	S.	W.	W.	East	

22° 44' West.

Ship George from Calcutta towards Salerel.

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	4		S. W. 1/2 W	N. N. W.		Begin with light winds and
2	4	1				gaily. At 2 P.M. tacked ship
3	7		N. W. by W	N. S. W.		to N. d. and Westward.
4	7					At 6 P.M. strong breezes took one
5	6	1	W. N. W.			Reef in fore and main topsail
6	6	1				Middle part fine breezes and
7	7					pleasant weather. Set all topgal
8	7					sail.
9	7					
10	7					
11	7			S. S. W.		
12	6					
1	6		N. by S. 1/2 W			
2	6					
3	6					
4	4	1				
5	2	1				
6	1	1				
7	6					
8	6					
9	7					
10	6					
11	6					
12	6					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 83. 1/2 W.	140	00. 16	132	30° 00	30° 12	24° 0	2° 33	41° 06	
				S	S	W	W.	East	

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	5	1	N. by N. 1/2 W			Begin with fine breezes and
2	5	1				pleasant weather. Shook topsail
3	5	1	W. N. W.	S. W.		topsails,
4	5	1				
5	5	1	N. by N. 1/2 W			
6	5	1				
7	6	1	N. by N. 1/2 W	S. W. by S.		
8	6	1				
9	6	1				
10	5	1				
11	5	1				
12	4	1				
1	5	1				
2	4	1				
3	3	1				
4	3	1				
5	2	1				
6	1	1				
7	1	1				
8	1	1				
9	1	1				
10	1	1				
11	2	1				
12	2	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
S. 71° W	71	0° 18	89	30° 30	30° 20	24° 00	1° 48	39° 23	
		South		S	S	W	W	East	

4579

140

4739

92

4836

37 days, and 58.

Ship George from Calcutta towards Solow

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks. Thursday March 28th.
1	1	1	W. 2 N			Begin with light airs and
2	1	1				pleasant weather?
3	2					
4	2					
5	2			S. 1. 1/2		
6	3					Middle part the same
7	1	1	W. 1/2 N			
8	1	1	W. 2 N			At 6 A.M. saw a Bark to South
9	1					and Westward, standing to N. 1/2 W.
10	2	1				the ship English Calcutta.
11	2					
12	2					
1	2		W. 1/2 N			
2	3					
3	3					
4	2	1				At 11 A.M. squall looks in and
5	1	1	W. 1/2 N			when over set light sails.
6	1	1				
7	1	1				Ends with fine breezes and
8	1	1				pleasant, the Bark heading us.
9	2	1	W. 1/2 N			
10	2					
11	6		W. 1/2 N			
12	6					

4831
56
4887

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 74° W.	57'	0° 16'	55'	30° 36'	30° 19'	24° 00'	1° 04'	38° 17'	
		S.	N.	S.	S.	N.	N.	East	

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks. Friday March 29th, 1880
1	8		W. 1/2 S			Begin with strong breezes and
2	8					pleasant weather. At 4 P.M. set
3	8					four boards fore top and aft starboard
4	8					
5	7	1				
6	7	1				
7	8					Through the night fine breezes
8	7	1		N. E.		and pleasant. At 11 P.M. set lower
9	7					and main top and top gals
10	8					stead sail.
11	7	1				
12	7	1				
1	6	1				At 4 A.M. set starboard standing
2	6	1				sails.
3	5					
4	5					
5	5	1				Later part fine breezes and
6	4	1				pleasant. 3 sails in sight standing
7	7					to N. 1/2 W. Westward.
8	7					
9	6					Cape Birds appearing.
10	7					Variations per. Mon. Aug. 26° 24' West
11	7					
12	7	1				

268
5055

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 70° W.	168'	0° 37'	158'	31° 16'	31° 11'	26° 00'	3° 03'	35° 16'	

Ship George from Calcutta towards Salem

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	8	1	W ¹ / ₂ N	N. E.		Begin with fine breezes and pleasant weather, all sail set to the fair wind.
2	8	1				
3	8	1				
4	7	1				
5	8	1				
6	7	1				
7	8	1				During the Night strong winds and pleasant.
8	8	1		N. by E.		
9	8	1				
10	9	1				At 3 A.M. took in Lower and top gal stud. sail. At 4 main top mast stud sail.
11	9	1				
12	10	1		N. N. E.		
1	9	1				
2	10	1				
3	10	1				At 6 took in fore top mast stud sail, and main top gal sail and main Royal.
4	9	1				
5	9	1				
6	9	1				
7	9	1				
8	9	1				Ends with strong breezes and rather windy appearances.
9	9	1				
10	9	1				
11	9	1				
12	9	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 68° W	214	1° 20'	178	32° 31'	32° 44'	28° 00'	3° 54'	31° 22'	
		S.	W.	South	S.	W.	W.	E.	

5059
214
5269

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	9	1	N. E.	N. E.		Begin with strong breezes and cloudy weather. At 4 P.M. Ripped the Lightning Conductor.
2	9	1				
3	8	1				
4	8	1				
5	7	1				
6	6	1				
7	4	1	S. by W.			At 7 P.M. took in fore and main top gal. sails, and single reef the main topsail.
8	3	1				
9	2	1	N. W. by W.			
10	2	1				
11	2	1	N. W. by W.			
12	3	1				At 8 tacked ship to the N. E. & W.
1	3	1				
2	3	1	N. W. 1/2 W.			
3	3	1				Middle part strong breezes and cloudy.
4	2	1				
5	3	1				At 4 A.M. double reef the Topsails.
6	3	1				
7	4	1				Ends with strong breezes and cloudy.
8	4	1				
9	4	1				
10	4	1				
11	4	1				And crown main Royal yard.
12	4	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 82° W	95	0° 13'	94	32° 57'	32° 57'	28° 00'	1° 53'	29° 29'	
		S.	W.	S.	S.	W.	W.	East	

108
5377

Ship George from Calcutta towards Salem.

$$\begin{array}{r} 537 \\ 103 \\ \hline 5490 \end{array}$$
$$\begin{array}{r} 113 \\ 5603 \end{array}$$
$$\begin{array}{r} 113 \\ 56 \overline{) 6308} \end{array}$$

44 days.

Ship George from Calcutta towards Salset,

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	2		N. by E.	S. W.		
2	2					
3	3					
4	4					
5	2					
6	1		N. by E.			
7	2		N. N. W.			
8	1					
9	3	1	N. S. W.			
10	3	1				
11	2		N. S. W.			
12	2					
1	1					
2	Calcut					
3						
4	2		N. by E.			
5	1					
6	1		N. by E.			
7	2	1	N. by E.			
8	1					
9	1		N. S. W.			
10						
11						
12	Calcut					

Throughout these 24 hours
Light baffling winds and
pleasant weather!

At 8 A. M. tacked ship to
S. S. and W. S.

S. S. and W. S.

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N. 76° W.	35	1° 8'	33'	35° 09'	35° 42'	30° 00'	0° 14'	24° 56'	
				S.	S.	W.	W.	East	

5603
42
5645

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	1		N. by E.	S. by E.		
2	1					
3	1	1				
4	1	1				
5	4					
6	5					
7	6					
8	7					
9	7	1				
10	7	1				
11	7	1				
12	7	1				
1	7	1				
2	8					
3	7	1				
4	8					
5	8					
6	8					
7	8					
8	8	1				
9	8					
10	8					
11	6	1				
12	5					

At 4 P. M. set all studding sails.

Middle part fine breeze and
pleasant weather.

Latter part the same At 8
A. M. hauled in Starboard studding sails
At 11 hauled in Starboard studding
sails and braced up.

Ends with fine breeze
and pleasant. A sail in sight
and Phunt Duff for mungy.

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N. 84° W.	147	0° 10'	146'	35° 02'	35° 45'	28°	3° 01'	21° 55'	

147
5792

46 days

Ship George from Calcutta towards Salem,

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks. Friday April 2nd.
1	6		W. by S.			Begin with strong breeze and pleasant weather.
2	6	1				
3	6		W. S. W.			
4	5					
5	5		S. W. by S.			
6	6		N. S. W.			At 6 P.M. squally appearance took in top gal sails. At 7 P.M. double reefed the topsails and sent down Royal yards.
7	5					
8	4	1				
9	4					
10	3	1				
11	3	1				
12	4					
1	3		N. E. W.			At 4 P.M. reefed the mainsail.
2	3					At 6 shook out top sail and main sail.
3	4		N. W. by S.			
4	4					
5	4		N. S.			At 6 P.M. Cape Lazulles bore about N. E. distant about 10 Leagues.
6	4					
7	4	1	N. W. by N.			At 12 M. the Lions Pump bore N. W. W. shook out all masts and set top gal sails.
8	4	1				
9	4		N. N. W. by S.			
10	4					
11	5		N. S. W.			
12	4					Long. Bar at 5 P.M. 20° 07' East

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. 20. S.	89'	1° 30'	83'	35° 15'	34° 55'	27° 00'	1° 46'	20° 14'	
		S.	W.	S.	S.	W.	W.	E.	

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks. Saturday April 3rd. 1830.
1	4		N. W. by N.	W. by S.		Begin with fine breeze and pleasant weather.
2	4					
3	4					
4	4					
5	4					At 8 P.M. tacked ship to South and Eastward. At 10 P.M. being rather to night for sight, at 12 tacked to N. W.
6	4					
7	4		N. W.	N. S. W.		
8	4					
9	4		South.			
10	4					
11	4		S. by E. 1/2 E.	S. W.		
12	2					
1	1					
2	4		N. N. W.			Latter part fine breeze and pleasant. Set Starboard sheet sail.
3	4					
4	5					At 6 P.M. Cape of Good Hope bore N. N. W. per compass. At 6 P.M. it bore East. distant. 10 or 12 miles.
5	6					
6	6		N. W.			
7	6					
8	6					
9	6					
10	6	1	N. W. by S.			At 8 P.M. set 1/4 main and fore Royal yard.
11	6	1				
12	6	1				Long. by Chron 17° 24' 30' East

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. 88° W.	81'	0° 07'	80'	34° 46'	34° 15'	29° 00'	1° 57'	18° 37'	
		S.	W.	S.	S.	W.	W.	E.	

5772
107
5899

104
8003

Ship George from Calcutta towards Salem

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	6	1	N.W. by N	S.W.		Begins with fine breezes and
2	6	1		to		pleasant weather.
3	8					
4	8			S. S. E.		At 2 P.M. lost sight of land.
5	8					At 4 P.M. English Brig Standing
6	8					towards the Cape.
7	8					
8	8					
9	8					
10	8					Midstle part the same with
11	8					starboard maintop and topgall
12	8					studd. sails.
1	7	1	N.W. by N			
2	7	1				
3	8					Latter part fine breeze and
4	7					pleasant took in Starboard studd.
5	7					sails. At 6 A.M. sent up main Staysail
6	7	1				Yards.
7	6	1				
8	7	1				
9	8					
10	8					Ends fine breeze and Pleasant.
11	7	1				
12	7	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N. 57° W.	131'	1° 38'	153	32° 37'	32° 25'	26° 00'	3° 00'	15° 35'	
		S.	W.	S.	S.	W.		East.	

6003
182
6185

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	7		N.W. by N	N.W. by N		Begins with fine breezes and
2	8					pleasant weather.
3	8					
4	7	1				
5	7					Midstle part light winds and
6	7	1				cloudy
7	7					
8	8					
9	7					Latter part light winds and
10	7					pleasant set the Starboard studd.
11	7					sails. and sent up the Sticksailmast.
12	7					
1	5					
2	4	1				
3	3					Ends with light winds and
4	4					pleasant.
5	2					
6	3					Long by Chron. 11° 58' East.
7	3					
8	3					Variation per Eve. August 18
9	3	1				
10	3	1				27° 15' W.
11	4					
12	4	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N. 57° W.	132'	1° 12'	110'	31° 13'	30° 55'	27° 00'	3° 00'	13.24	
		S.	W.	S.	S.	W.			

182
6317

50 Days.

Ship George from Calcutta towards Salem

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	6		N. N. W. 1/2 W			Throughout these 24 hours Light air and Cloudy.
2	7			S. by E. 6		
3	7					
4	7					
5	7					
6	6					
7	6					
8	6					
9	5					
10	4			From		At 7 A.M. Begged the main shysail yard.
11	3	1		S. W		
12	4			6		
1	3	1				Ends pleasant.
2	3	1		S. E.		
3	3	1				
4	3	1				
5	3					
6	3					
7	2					
8	2					
9	3					
10	3					
11	1					
12	3					

6317
106
6423

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N 53° 18'	106'	1° 04'	85'	27° 51'	27° 58'	25°	1° 58'	11° 18'	
		N.	W.	S.	S.	W.	W.	East.	

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	3		N. N. W. 1/2 W	S. by E.		Light winds wind with cloudy Weather.
2	3	1				
3	4					
4	5					
5	5					
6	5					
7	5					
8	5					
9	3					
10	4					All hands employed in shifting and repairing sails.
11	4					
12	4					
1	4			S. E.		Long by Chron. 8° 26' 30" East
2	4					
3	11					
4	4					
5	3					
6	3					
7	3					
8	3					
9	4					
10	4					
11	4			S. S. E.		
12	4					

101
6524

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N 54° W.	102'	61'	81'	28° 37'	28° 37'	25°	1° 30'	10° 18'	8° 26'
		North.	West.	S.	South.	W.	W.	E.	East.

Ship George from Calcutta towards Salem.

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	3	1	N. N. W. 1/2 W.	S. by E.		
2	3	1				
3	3	1				
4	3	1				
5	3	1				Moderate winds and pleasant weather throughout these 24 hours.
6	3	1				
7	3	1				
8	3	1				
9	3	1				
10	3	1				Took in main Staysails.
11	3	1				
12	3	1				
1	2					At 6 a.m. saw a Ship bearing S. by E. steering to the Northward.
2	2					
3	2					
4	2					
5	2					All hands employed.
6	2					
7	1					
8	1					Long by Chron $70^{\circ}19'45''$ E.
9	1					
10	1					
11	1					
12	1					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N. 53° W.	62'	37'	49	27° 59'	27° 54'	25° 00'	00° 56'	70° 22'	70° 30'
		North	West	South	South	West	West	East	Corrected

6524

61

6585

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	"	1	N. N. W. 1/2 W.	S. by E.		
2	"	1				
3	"	1				Breeze with light air and Calm.
4	"	1				
5	"	1				
6	"	1				
7	1					All hands employed.
8	"					
9	1					
10	1					
11	1					Latter part gentle breeze and good weather.
12	1					
1	2					
2	1					
3	2		N. N. W. 1/2 W.	S. by E.		A ship in sight bearing S. by E.
4	3					
5	4					
6	4					
7	2					
8	2					
9	3					Long by Chron $6^{\circ}33'45''$
10	4		N. N. W. 1/2 W.	S. by E.		
11	4					
12	4					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N. 83° W.	48'	00° 06'	43'	27° 45'	27° 51'	25'	00° 48'	8° 34'	6° 42'
		14	West	South	South	West	West	East	Corrected

46

6531

54 days

Ship George from Calcutta towards Salem.

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	4	1	N. W. by W. $\frac{1}{2}$ W.	N. $\frac{1}{2}$ E.		Begins with brisk breezes and pleasant weather? All hands employed. Middle part the same.
2	4					
3	4					
4	4					
5	4					
6	4					
7	4					
8	1	1	N. W. by W. $\frac{1}{2}$ W.	N. $\frac{1}{2}$ E.		Scattered part fine breezes and good weather. The watch employed in Ship's duty.
9	3					
10	4					
11	4					
12	3					
1	3					
2	3					
3	3					
4	3					
5	4					
6	3					
7	4					
8	4					
9	4					
10	4					
11	4					
12	4					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N 75° W	72'	0° 24'	88'	27° 27'	27° 33'	34° 00'	1° 40'	6° 54'	5° 00'
		N.	W.	S.	S.	W.	W.	East.	East.

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	3	1	N. W. by W.			Begins with brisk breezes and good weather for sailors.
2	4					
3	4					
4	3					
5	3					Midnight light baffling wind and pleasant weather
6	3					
7	3					
8	4					
9	3					From 4 A.M. to 10 A.M. Calm
10	2					
11	1					
12	1					
1	1					Calm
2	1					
3	1					
4	1					
5	1					On 11 A.M. light air with gentle top, top gallant and lower studding sails.
6	1					
7	1					
8	1					
9	1					Ends Pleasant.
10	1					
11	2					
12	3					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N 50° W	33'	0° 21'	25'	27° 12'	27° 10'	34° 50'	0° 28'	6° 20'	4° 34'
		N.	W.	S.	S.	W.	W.	East.	Correct

60 days

Ship George from Calcutta towards Salem

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	6	1	N. by W. 3/4 W.	S. E.		Throughout these 24 hours fine trades and passing clouds
2	6	1				
3	6	1				
4	6	1				
5	6	1				
6	6	1				
7	1					
8	7					
9	6	1				
10	7					
11	1	1				
12	8					
1	8					
2	7					
3	7	1				
4	7	1				
5	7	1				
6	8					
7	7					
8	8					
9	7	1	N. by E.			
10	7	1				
11	7	1				
12	7	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N. 45° W.	175	1° 36'	127	17° 52'	17° 40'	1900	2° 16'	3° 04'	6° 56'
		S.	W.	S.	S.	W.	West	West	West

1463
1715
7656

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	6	1	N. by E.	S. E.		Continues pleasant with passing clouds.
2	6	1				
3	6	1				
4	6	1				
5	6	1				
6	6	1				
7	6	1				
8	6	1				
9	6	1				
10	7	1				
11	6	1				
12	7	1				
1	6	1				
2	6	1				
3	6	1				
4	6	1				
5	6	1				
6	5	1				
7	6	1				
8	5	1				
9	5	1				
10	5	1				
11	5	1				
12	5	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N. 52° W.	148	1° 31'	117	16° 07'	16° 12'	1800	2° 03'	8° 59'	8° 59'
								5° 07'	W

148
7784

Ship George from Calcutta towards Salem

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks. On Sunday April 18th.
1	5	1	N. by N. S. E.			Throughout the 24 hours fine Trades and passing Clouds.
2	6					
3	5	1				
4	6					
5	6					
6	6					
7	6					
8	6					
9	6					
10	6					
11	6					
12	6					
1	6					Variations for Morn Azimut 18° 01 West
2	7					
3	6	1				
4	7					
5	7					
6	6	1				
7	6	1				
8	6	1				
9	7					
10	6	1				
11	7					
12	6	1				

7784
152
7936

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N 52 W	152	1° 38'	120	14° 38'	14° 41'	18° 00'	2° 04'	7° 11'	11° 03'
		N.	W	S.	S.	W	W	W	W

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks. on Monday 19th 1830
1	6	1	N. W. by N. S. E. by E.			Long. by Chron 14° 25' W.
2	6	1				
3	6	1				
4	6	1				
5	7					
6	7					
7	8					
8	8					
9	8					
10	7	1				
11	8					
12	7	1				
1	8					
2	7	1				
3	8					
4	8					
5	8					
6	8	1				
7	8	1				
8	9					
9	8	1				
10	8	1				
11	8					
12	7	1				

185
8120

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N 57 W	185	2° 36'	144	12° 45'	12° 51'	17°	2° 28'	13° 51'	
		N.	W	S.	S.	W		W.	

Ship George from Calcutta towards Salem

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	7	1	N. N. W. by N.	N. E. by E.		
2	8					
3	7	1				
4	8					
5	7	1				
6	7	1				
7	7					
8	7					
9	7	1				
10	7	1				
11	7	1				
12	7	1				
1	6	1				
2	7					
3	6					
4	6					
5	6	1				
6	6	1				
7	6					
8						
9	7					
10	7	1				
11	7	1				
12	7					

Long. by Chron 16° 43' 45" W.

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N. 50 W.	171	1° 50'	131	11° 01'	11° 03'	15° 0'	2° 13'	15° 44'	

8128
171
8299

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	4		N. N. W. by N.			
2	7					
3	6					
4	7					
5	6					
6	7			N. E. by E.		
7	7					
8	7					
9	7					
10	7					
11	7					
12	7					
1	6					
2	6					
3	6					
4	6					
5	6					
6	5					
7	6					
8	6					
9	6					
10	6					
11	5					
12	5					

Long. by Chron 18° 53' 17"

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N. 55 W.	155	1° 29'	128	9° 32'	9° 41'	15° 0'	2° 10'	17° 54'	

153
8444

Ship George from Calcutta towards Salem

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks. on Tuesday April 22.
1	6		S. by E.			
2	6					
3	6					
4	6					
5	6					
6	6					
7	6					
8	6					
9	5	1				
10	5	1				
11	5	1				
12	5	1				
1	6					Long. by Chron 21° W
2	6					
3	6					
4	6					
5	6					
6	4					
7	6					
8	6					
9	6					
10	5	1				
11	6					
12	5	1				

8444
140
8584

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N 54° W	140	1° 22'	114'	8° 13'	8° 13'	North	44°	19° 55'	19° 47'

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks. on Tuesday April 23rd 1830
1	6		N W 1/2 N	S. E.		
2	5	1				
3	6					
4	5	1				
5	6					
6	6	1				
7	6	1				
8	6	1				
9	6	1				
10	6	1				
11	6	1				
12	6	1				
1	6	1				Long. by Chron 23° 0. 55' W
2	6	1				
3	6	1				
4	6	1				
5	6	1				
6	6					
7	6					
8	6					
9	5					
10	6					
11	6					
12	6					

148
8732

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N 52° W	148'	1° 27'	112'	6° 52'	7° 03'	13°	1° 53'	21° 52'	

Ship George from Calcutta towards Salem

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	4		N. by N.	S. by E.	6.	
2	4					
3	4					
4	5					
5	5					
6	6					
7	6					
8	6					
9	7					
10	6					
11	6					
12	7					
1	6					
2	7					
3	6					
4	6					
5	6					
6	7					
7	6					
8	6					
9	6					
10	6					
11	6					
12	6					

Long by Chron 24° 57' W

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 47° W	149'	1° 41' N	109	5° 22' S	5° 27' S	13° W	1° 49' W	23° 42' W	

8732
1149
8881

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	6		N. by N.	S. by E.	6.	
2	6					
3	6					
4	6					
5	6					
6	6					
7	6					
8	6					
9	6					
10	6					
11	6					
12	6					
1	6					
2	6					
3	6					
4	6					
5	6					
6	6					
7	6					
8	6					
9	7					
10	7					
11	7					
12	6					

The past week all hands have been employed in fitting the Rigging Scraping and Varnishing
The weather has been good not having to take in stay sail

Long by Chron 27° 18' 15" W

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N. 46° W	154'	1° 47' N	109	3° 42' S	3° 41' S	12° W	1° 52' W	25° 34' W	

156
9037

Ship George from Calcutta towards Salem

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	5		N. N. W. 1/2 W			
2	5	1		N. E. 1/2 E		Begin with light winds and
3	5					passing clouds.
4	4	1				
5	3					
6	2					
7	2		N. N. W.			Middle part light air, with
8	2					Rain.
9	3					
10	2	1				Latter light winds and
11	2	1				variable took in all standing
12	2					Sails, and braced up.
1	1					
2	1					
3	1					
4	1					
5	1					
6	1					Ends Cloudy.
7	1					
8	1	1	N. N. W. 1/2 W			
9	2	1	N. N. W.			
10	3					
11	3					
12	3	1				

9037
60
9097
12655
13558
17
91
45

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. 36° W	59	0° 47' N.	34	2° 42' S.	2° 51' S.	11° W	0° 34' W	26° 08'	

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	3		N. N. W.			
2	2	1		E. N. E.		Begin with passing clouds
3	2	1				attended with Rain and
4	3					Light air.
5	6					
6	6			8 1/2		
7	5			2 1/2		
8	4	1		15		Middle part the same.
9	2	1				
10	1	1				
11	1	1				Latter part light winds
12	4					and pleasant, Set Starboard
1	1	1				standing sails.
2	2					
3	2					Ends Pleasant
4	4					
5	4	1				
6	4	1				
7	5					
8	4	1				Venisection for Rhumb
9	4	1				11° 52' W.
10	4	1				
11	4	1	N. by W.			
12	4	1				

86
9183

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. 33° W.	85	1° 11' S.	46	1° 40' S.	1° 41' S.	11° 00' W.	0° 46' W.	26° 54'	

Ship George from Calcutta towards Salem.

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	4		N. by W.	S. E.		Begins with light airs and pleasant.
2	4					
3	3					
4	3					
5	2					
6	2					
7	3					Middle part the same
8	3					
9	3					
10	3					Latter part light baffling winds and Rainy.
11	3					
12	3					
1	2					Ends Rainy.
2	3					
3	3					
4	3					took in studd sails.
5	2					
6	4					
7	1					Long. by Chron. 27° 54' W.
8	1					
9	1					
10	3					
11	3					
12	3					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N. 33° W.	68	1° 53'	26'	0° 37'	00° 00'	11° W.	00° 26'	27° 29'	

55
60
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90
95
100
105
110
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770
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810
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850
855
860
865
870
875
880
885
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935
940
945
950
955
960
965
970
975
980
985
990
995
1000

9183
67
9252

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1						Commences with no wind at all.
2						
3						
4	6		From			at 3 P.M. a fair breeze.
5	7					
6	8					
7	5		N. E.			Middle part light airs and cloudy set fore top and top
8	2					
9	1					
10	2		to			gallant studding sails.
11	2					
12	2					
1	2		South.			Latter part set lower
2	2					
3	2					
4	3					studd. sail. saw a Brig to leeward
5	3					
6	3					
7	3					
8	3					
9	4					
10	4					
11	4					
12	4					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N. 25° W.	81'	1° 18'	33'	00° 54'	00° 26'	10° W.	38'	29° 02'	

82
9334

Ship George from Calcutta towards Salem

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	3		N. by W.			Throughout these 24 hours Light baffling airs and occasionally rain.
2	2					
3	2					
4	2					
5	1					
6	1					
7	2					
8	2					
9	3					
10	4					
11	4					
12	4					
1	4					At 12 M. saw a Bark steering to N. and Eastward. Long. by Chron. 31° 36' West
2	3					
3	1					
4	1					
5	1					
6	1					
7	1					
8	2					
9	2					
10	2					
11	2					
12	2					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. 18° W.	60	0° 57'	18'	1° 23'	1° 43'	10°	0 13'	28° 21'	
		N	N.	N.	N.	N.	N.	N.	

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	2		N. by W.			Throughout these 24 hours light airs and Calms, with light Rain occasionally. And Sailors Tormenters.
2	2					
3	2					
4	2					
5	1					
6	1					
7	2					
8	2					
9	4					
10	4					
11	1					
12	1					
1	1					Long. by Obs. 32° 07' W.
2	1					
3	1					
4	1					
5	1					
6	1					
7	1					
8	1					
9	1					
10	1					
11	1					
12	1					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. 36° W.	26	0° 21'	15'	2° 04'	2° 22'	9°	0 15'	28° 36'	32° 07'
		N	N.	N.	N.	N.	N.	N.	

9334
61
9395

35
9425

Ship George from Calcutta towards Salem.

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks. On Sunday May 2nd.
1						
2			Calcut			
3						
4						
5	1		N. N. W.			Throughout these 24 hours Light: Airs, Calms, Strong Breezes, in squalls with Rain, Square yards, sharp up. &c &c &c.
6	5					
7	7		N. by E.			
8	2					
9	2		N. by W. & W.			
10	2					
11	1					
12	1	1				
1	1	1				
2	1	1				
3	1	1				
4	3	1	N. N. W.			
5	2		Calcut			
6	2					
7	2					
8	4	1	N. E.			
9	2					
10	2					
11	2		N. N. W.			
12	4					

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N. 30 E.	42'	0-56	21'	2° 58'	" "	9°	0 21	28° 57'	32° 28'
		N.	W.	S.		W	W	W	Correct

7425
48
7473

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks. Monday May 3d. 1830
1	0		N. by W. & W.			
2	5					
3	2					
4	1	1				Begins with light Airs and Rain.
5	1					
6	1					
7	1	1	N. N. W.			Middle part light Airs and passing clouds
8	2					
9	2					
10	0					
11	3	1				
12	3	1				
1	2	1				
2	2	1				
3	2	1				
4	2					
5	3					
6	6					
7	6					
8	6					
9	7	1	N. W. by N.			
10	8					
11	8					
12	7	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N. 04 W.	87'	1° 12	49	4° 00	4° 44	9°	00.49	33° 17'	
		N.	W	N.	N.	W	W	W	

882
7561

Ship George from Calcutta towards Salem

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	6	1	N.W. by N	N.E. by E		Began with fine breezes and passing clouds at 4 took in lower and top gable and sheet sails.
2	5	1				
3	5	1				
4	6	1				
5	5	1				
6	6	1				
7	7	1				
8	6	1				
9	7	1				
10	8	1	N.W. $\frac{1}{2}$ N	E.N.E.		Middle part strong breeze and passing squalls.
11	8	1				
12	8	1				
1	8	1	N.E.			Latter part fine Trades and passing clouds. The watch employed in scraping decks.
2	7	1				
3	6	1				
4	6	1				
5	7	1				
6	7	1				
7	8	1				
8	8	1				
9	8	1				
10	8	1				
11	7	1				
12	7	1				

9561
172
9733

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. 47° W	170	1° 56'	125	6° 40'	6° 41'	7° 00'	2° 06'	35° 23'	
		N.	W	N.	N.	W	W	W	

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	7	1	N.W. $\frac{1}{2}$ W	N.E.		Began with strong Trades & passing clouds.
2	8	1				
3	7	1				
4	8	1				
5	8	1				
6	8	1				
7	8	1				
8	8	1				
9	9	1				
10	9	1				Middle part strong breezes with squalls of Rain at 2 P.M. took in the Royals.
11	9	1				
12	9	1				
1	9	1				
2	9	1				
3	9	1				
4	9	1				
5	9	1				
6	9	1				
7	9	1				
8	9	1				
9	8	1				
10	8	1				
11	8	1				
12	8	1				

208
9941

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. 47° W	208	2° 21'	152	9° 02'	8° 57'	8°	2° 34'	37° 57'	
		N.	W	N	N.	W	W	W	

Ship George from Calcutta towards Salem

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	8	'	N.W. & W.	N. E.		Throughout these 24 hours Strong Trades and passing Clouds, took in and set Royals occasionally.
2	8	'				
3	8	'				
4	8	'				
5	8	'				
6	8	'				
7	8	'				
8	8	'				
9	8	'				
10	8	'				
11	8	'				
12	8	'				
1	8	'				
2	10	'				
3	10	'				
4	9	'				
5	8	'				
6	8	'				
7	8	'				
8	8	'				
9	8	'				
10	8	'				
11	8	'				
12	8	'				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N. 47° E.	217	2° 27'	158	11° 24'	11° 30'	7°	2° 41'	40° 38'	
		N.	W.	N.	N.	W.	W.	W.	

7941
217
70158

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	9	'				Throughout these 24 hours Strong Trades with passing Clouds, at 6 A.M. took in fore and main Royal and Flying jib. At 10 A.M. set main Royal and Fly jib. A. Great Surf.
2	9	'				
3	9	'				
4	9	'				
5	9	'				
6	9	'				
7	9	'				
8	9	'				
9	9	'				
10	9	'				
11	9	'				
12	9	'				
1	9	'				
2	9	'				
3	9	'				
4	9	'				
5	9	'				
6	9	'				
7	9	'				
8	9	'				
9	9	'				
10	9	'				
11	9	'				
12	9	'				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N. 46° E.	224	2° 36'	161	14° 06'	14° 08'	6° 00'	2° 45'	43° 23'	
		N.	W.	N.	N.	W.	W.	W.	

2214
10.382

80. days.

Ship George from Calcutta towards Salem

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks. Saturday May 8 th .
1	8	1	N. W. by N. N. E. by E.			Throughout these 24 hours strong breezes and passing clouds. At 10 A.M. set lower studding sail.
2	8	1				
3	8	1				
4	8	1				
5	8	1				
6	8	1				
7	8	1				
8	8	1				
9	8	1				
10	8	1				
11	8	1				
12	8	1				

10.582
207
10.589

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. 45° W.	207	2° 26'	146	16° 34'	16° 40'	5° 00'	2° 32'	45° 55'	
N.		N.	N.	N.	N.	N.	N.	N.	

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks. Sunday May 9 th 1828
1	8	1	N. W. by N. N. E. by E.			Throughout these 24 hours fine breezes and good weather. At 8 P.M. set main Royal and top gall. studding sails. At 10 P.M. set main staysail yard and Goeck. The past 6 days we have run 1228 miles. A great chance Variation per Moore's Almanac 3° 52' N. Gulf breeze plenty.
2	8	1				
3	8	1				
4	8	1				
5	8	1				
6	8	1				
7	8	1				
8	8	1				
9	8	1				
10	8	1				
11	8	1				
12	8	1				

200
10.789

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. 44° W.	200	2° 24'	139	17° 04'	17° 04'	4° 00'	2° 26'	48° 21'	
N.		N.	N.	N.	N.	N.	N.	N.	

Ship George from Calcutta towards Salem

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	8		N.W. $\frac{1}{2}$ N	From		Throughout these 24 hours fine breezes and good weather At 8 A.M. set Starboard Sheet Sails
2	8			E.		
3	8					
4	8					
5	7	1				
6	7	1				
7	7	1		S.E.		
8	7	1				
9	7	1				
10	7	1				
11	7	1				
12	7	1				
1	7	1				The watch employed in painting inside ship.
2	7	1				
3	6	1				
4	7	1				
5	7	1				
6	7	1				
7	7	1				
8	7	1				
9	6	1				
10	7	1				
11	7	1				
12	6	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N. 14° W	177'	2° 07'	128	21° 18'	21° 09'	2° 00'	2° 04'	50.32	
		N.	W	N.	N.	W	W	W	

10.789
177
10.966

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	6	1	N.W. by N S.E.			Throughout these 24 hours fine breezes and good weather Took in starboard sheet Sails.
2	7	1				
3	6	1				
4	7	1				
5	6	1				
6	7	1				
7	6	1				
8	7	1				
9	7	1				
10	7	1				
11	7	1				
12	7	1				
1	7	1				1584 miles. distance Run in 8 days.
2	7	1				
3	7	1				
4	8	1				
5	8	1				
6	8	1				
7	8	1				
8	8	1				
9	8	1				
10	8	1				
11	8	1				
12	8	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N. 37° W	177'	2° 19'	113	23° 28'	23° 31'	5° 00'	3° 02'	52.34	
		N	W	N.	N.	W	W	W	

177
11.145

Ship George from Calcutta towards Salump.

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	8					
2	8					
3	8					
4	8					
5	8					
6	8					
7	8					
8	8					
9	8					
10	8					
11	8					
12	8					
1	8					
2	8					
3	8					
4	8					
5	8					
6	8					
7	8					
8	8					
9	8					
10	8					
11	8					
12	8					

From with fine breeze and passing clouds.

At 5 P.M. wind hauled in a squall to the N.W. took in all standing sails. Royals, top gallant sails.

During the Night Fair.

Ends with baffling winds and cloudy.

11.145
1.08
11.250

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. 43° W	111	0° 31'	57	24° 58'	25° 00'	1° 30'	0° 56'	53° 20'	
		N	W	N	N	W	W	W	

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	3		N.W. by N			
2	3	1		N.N.E.		
3	4	1	N.W. by N			
4	4	1				
5	4	1		N.E. by N		
6	4	1				
7	5	1				
8	5	1				
9	5	1				
10	5	1		N.E. by E.		
11	4	1		East		
12	4	1		to		
1	3					
2	2	1		N.W. by W		
3	2					
4	2					
5	1		N.W. by W	N.E. by E.		
6	1					
7	1					
8	2			North		
9	3					
10	4		N.W. by W			
11	3		N.W. by W	N.W. by W		
12	3					

Begins with light winds and cloudy.

At 10 P.M. set Starboard standing sails. At 12 took in stud. sails and braced up.

Later part light winds and pleasant.

Ends Pleasant.

82
11.332

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. 51° W	78'	0° 47'	61	25° 47'	25° 35'	5° 00'	1° 08'	54° 28'	
		N	W	N	N	W	W	W	

Ship George from Calcutta towards Salset

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks. Friday May 14th. 1850
1	2	1	N.W. by N. 1/2 N.	N.W.		Begins with light winds and pleasant.
2	2	1				
3	2	1	N.W. by N.	N.W.		
4	2	1		N.W.		
5	2	1	N.E. by N. 1/2 E.			
6	2	1				Through the night light-buffeting winds and pleasant, take ship occasionally.
7	1	1	N.E. by N.			
8	2	1				
9	2	1				Latter part Calms.
10	1	1				
11	1	1				The watches employed in painting outside ship.
12	1	1	N. 6 1/2 E.			
1	2	1				
2	2	1				
3	2	1				
4	1	1				Long by Chron. 55° 11' W.
5	1	1				
6	1	1				
7	1	1				
8	1	1				
9	1	1	N.W. by N. 1/2 N.	N.E.		
10	1	1				
11	1	1				
12	1	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N. 6 1/2 E.	18'	17° 05'	12'	25° 52'	25° 53'	50'	0° 02'	54° 26'	
		N	E	N	N	W	E.	W	

82
11.332
31
11.363

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks. Saturday May 15th.
1	1	1				Begins with Calms.
2	1	1	Calms			
3	1	1				
4	1	1	N.W. by N. 1/2 N.E.			At 11 squally appearance took in Rags.
5	5	1				
6	5	1				
7	6	1				At 6 set fore topmast studding sail. and Rags.
8	7	1				
9	7	1				
10	7	1				Middle part fine breeze and pleasant.
11	7	1				
12	7	1				
1	6	1				Latter part the same
2	5	1				
3	6	1				
4	5	1				At 4 set top gall. and lower studding sails.
5	6	1				
6	6	1				
7	6	1				Ends pleasant.
8	6	1				
9	6	1				
10	5	1				
11	6	1				
12	5	1				

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N 40 W	124'	1° 55'	80'	27° 28'	27° 25'	6° 00'	1° 30'	55° 56'	

124
11.487

90.

Ship George from Calcutta towards Salem

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks. Sunday May 16 th
1	4	1	S. by N	East		Throughout these 24 hours Wind and pleasant weather
2	4	1				
3	4	1				
4	4	1				
5	5	1				
6	5	1				
7	5	1				
8	5	1				
9	5	1				
10	5	1				
11	5	1				
12	5	1				
1	4	1	S. by N	East		Variation per Mercator 7° 55' West
2	4	1				
3	4	1				
4	4	1				
5	5	1				
6	5	1				
7	5	1				
8	5	1				
9	5	1				
10	4	1				
11	4	1				
12	4	1				

11.487
11.602

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. 41° W	115	1° 27'	75	28° 52'	28° 55'	7°	1° 21'	57.22	58° 25'

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks. On Monday May 17 th
1	4	1	N. W. by N. N. E.	East		Throughout these 24 hours fair breezes and pleasant weather.
2	4	1				
3	4	1				
4	4	1				
5	5	1				
6	5	1				
7	6	1				
8	6	1				
9	5	1				
10	5	1				
11	6	1				
12	6	1				
1	6	1	N. W. by N. N. E.	East		At 10 A.M spoke Brig Henry of Bath, Maine. Fulton master bound to Gaudaloupe. 10 days out. His longitude 60° 00' ours - - - 57° 53' West
2	6	1				
3	6	1				
4	5	1				
5	5	1				
6	5	1				
7	5	1				
8	5	1				
9	5	1				
10	4	1				
11	5	1				
12	5	1				

127
11.729

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. 41° W	127	1° 36'	83	30° 22'	30° 37'	7° 00'	1° 35'	58.57	60° 01'

Ship George from Calcutta towards Salem.

H. K. H.K. Courses. Winds. Lee. Remarks. Tuesday May 18th. 1830

1	5		N. N. W. 1/2 N			
2	5	1				
3	5			E. by S.		
4	10					
5	6					
6	6					
7	6					
8	6					
9	6					
10	6					
11	6	1				
12	6	1				
1	2	1				
2	3	1				
3	4	1				
4	4					
5	5	1		S. by E.		
6	4	1				
7	5					
8	4	1				
9	4	1				
10	4	1				
11	4	1				
12	4					

Throughout these 24 hours fine breezes and pleasant weather. At 12 P. M. set the starboard sheet sails.

At 8 AM. saw a large hauling to wind and hauled.

All hands employed in furling the ship.

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N. 35° E.	123	1° 48'	70	32° 25'	32° 28'	7°	1° 22'	60° 17'	61° 25'
		N	N	N	N	N	N	N	

11.729
123
11.852

H. K. H.K. Courses. Winds. Lee. Remarks. Wednesday May 19th.

1	14	1	N. W. by W. 1/2 N			
2	14	1				
3	5					
4	1	1				
5	5					
6	5	1				
7	5			S. by E.		
8	5	1				
9	6					
10	5	1				
11	6					
12	6					
1	7					
2	8					
3	8			S. by W.		
4	7	1				
5	7	1				
6	7	1				
7	7					
8	7					
9	8					
10	8	1				
11	8	1				
12	9					

Begins with fine breeze and pleasant. All hands employed.

Middle part the same. Latter part strong breeze and good weather. Took in starboard sheet sails.

Ends with strong breeze and the appearance of a smoking South West.

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N. 35° W.	158	2° 09'	91	34° 37'	34° 41'	7°	1° 49'	63° 12'	

158
12.010

9th days.

Ship George from Calcutta towards Salem.

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	8		N. by W. 1/2 W.			
2	8			S. S. W.		
3	8					
4	8					Began with strong breeze and
5	8					foggy weather. At 8 took in top gall
6	8					studding sails and fore and main
7	8	1				Royal. At 12 took in main top
8	8	1				mast stud. Sails at 2. Lower studd
9	9					sails
10	9			S. W.		
11	9					
12	7					
1	7	1				At 4 P.M. Stood breezes with
2	7	1				rain. and heavy squalls at times
3	7					took in fore top mast studding sails.
4	7					At 5 took in top gall. sails. took
5	7			S. W. by W.		one reef in main and 2 in fore
6	8	1				top sails. sent down Royal yards
7	7					At 11 A.M. shook reefs out. and
8	8	1				set top gall sails
9	7	1				
10	7					Began fine breeze and
11	7					passing clouds on the edge of the Gulf
12	7	1				

12.010
202
12,212

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. 36 W.	202	2° 45'	119	37° 24'	27° 26'	8° 00'	2° 06'	65° 38'	
		N.	W	N.	N.	W	W	W	

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	8		N. by W. 1/2 W.			
2	8					
3	8					Began with fine breeze and
4	7	1				passing clouds. sent up main
5	8					mast yard. set fore top mast
6	8					and fore and main top Gallant
7	7	1				studding sails. at 14 took in studd
8	9	1				sails. Water 76° Fahrenheit
9	4		N. N. W.			
10	4					
11	4					
12	4					
1	5					At 7 squally took in top
2	5		N. N. W. 1/2 W.			Gallant sails.
3	5					
4	5					Much squally took in
5	5					the sail as required
6	7	1				
7	7					
8	4					Later part - all hands
9	3		N. E. by N. N. W. by N.			employed in getting over and under
10	4					and bending cables.
11	4	1				
12	4	1				ends foggy Long. by Chron 65° 40'

1146
12,355

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
N. 33 W.	139	1° 49'	72	37° 15'	37° 37'	9° 00'	1° 33'	67° 11'	

Ship George from Calcutta towards Salem

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	2	1	N.N.E.	N.W.		Begin with gentle breezes and
2	4					
3	3	1	N. 1/2 E.	N.W. by W. 1/2 W.		Foggy weather.
4	4					
5	4					At 6 P.M. Tacked ship to
6	4		N.N.E.			Westward. Set main Royal and
7	2	1	W. 1/2 S.	N.N.W. 1/2 W.		Fly. jib.
8	2	1				
9	2		W.S.W.	N.W.		At 10 P.M. Tacked ship to
10	1		N. 1/2 E.	N.W. by W. 1/2 W.		N.E. and Eastward.
11	3					
12	5					Middle part strong breezes
1	5	1				and clear cold weather. took in
2	6	1				Royal and Fly. jib.
3	6					
4	6					At 6 A.M. took in top gall
5	7					sails and singlet Reft Top sails.
6	6	1				
7	6					At 10 A.M. set fore and main top
8	6					gal. sails.
9	6		N. by E.			
10	6					Saw a ship standing to S.E.
11	6		N. 1/2 W.			and W. and a Brig to W. S. E.
12	6					

408
345
193
107
1053

12.355
111
12468

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N. 6° W	101	1° 41'	10'	41° 18'	41° 23'	9° W	00.13	67.24	65.41'
				N.	W		W	W	by Chron

H.	K.	H.K.	Courses.	Winds.	Lee.	Remarks.
1	5	1	N. by W			Begin with fine clear cold
2	6					
3	3	1	N. 1/2 W	Tran		weather weaker and head winds
4	3					
5	4	1	N. by W 1/2 W	West		
6	5	1				Middle part shook reefs out
7	6		N.N.W	to		topsails and set topgallant sails
8	3	1				
9	4		N.W. by W			
10	3					
11	2	1	N.W. 1/2 W			Lighter light winds and
12	3			W.S.W		pleasant. sent up fore Royal
1	2		N.W			yards
2	4					
3	3					14 sails in sight.
4	2					
5	2					
6	2		N.W. by N			
7	2					
8	2		N. by W			Long. by Chron 66° 50' W
9	2		N. 1/2 W			
10	2					
11	2		N.W. 1/2 W			
12	3	1				

82
12.548

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in	Long. by Ob.
N. 35° W	82	1° 08'	0 46'	42° 51'	42° 53'	9°	4.002	68° 26'	
			W	N	N	W	W	W	

9th days.

97 days, and 98 days

Ship George from Calcutta towards Salem.

H.	K.	H. K.	Courses.	Winds.	Lee.	Remarks.
1	3	1	N.W. by W.			Begins with light winds and cold weather.
2	3	1				
3	4		W. by N.			
4	4					
5	4		West.			Middle part fine breezes and foggy weather.
6	5	1	W. 1/2 S.			
7	5	1				
8	5	1				
9	5		West.			At 12 P.M. lashed ship to southward. At 4 P.M. lashed ship to westward.
10	4					
11	3					
12	3					
1	3	1	S. by E.			Latter part fine breezes and pleasant. at 10 A.M. set fore top-mast. top gallant and lower studding sails.
2	3	1				
3	4		S. S. E.			
4	4					
5	6	1	West.			Ends pleasant.
6	7					
7	7					
8	7					
9	7	1				Long. by Chron 69° 08 West. Lat. by Obs 42° 32 North.
10	7					
11	7					
12	5	1				

12,548
107
12,655

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.
S. 78° W	96'	20'	94	42° 33	42° 32	10° W	2° 06.	70° 32	W.

H. K. H. K. Courses. Winds. Lee. Remarks. Tuesday, May 25th, 1830.

1	5	1	W. by N.	South.		Commences with light airs and pleasant. At 5 P.M. set fore top-mast. top gallant and lower studding sails.
2	3					
3	2					
4	1	1				
5	2					Middle part cloudy.
6	4					
7	5	1				
8	6					
9	5	1	W. 1/2 N.	East.		At 3 A.M. saw Thatcher's Island light, bearing W. N. W. by N. dist 12 miles.
10	4	1				
11	3					
12	2					
1	2					N.E.
2	2	1				
3	5					
4	7					
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Dist.	Diff. lat.	Dep.	Lat. by D. R.	Lat. by Ob.	Varia.	Diff. Long.	Long. in.	Long. by Ob.

5377
4174
797
1203
2433
4174
1741
1203
2944
147



THE INDEX.

Main yard from shore to shore - 48 feet.
Yok side yard . do . do . do
Yok mast from bows & keel - 32 feet.

6

